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DEPARTMENT OF THE AIR FORCE

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COMMITTEE STAFF PROCUREMENT BACKUP BOOK FY 1998/1999 BIENNIAL BUDGET ESTIMATES **FEBRUARY 1997**



19970314 015

AIRCRAFT PROCUREMENT, AIR FORCE VOLUME I

OPR: SAF/FMB

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Volume I AIRCRAFT PROCUREMENT

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AIRCRAFT PROCUREMENT, AIR FORCE

ground handling equipment and training devices, spare parts, and accessories therefor; specialized equipment; expansion of prosecuted thereon prior to approval of title; reserve plant and Government and contractor-owned equipment layaway; and public and private plants, Government-owned equipment and installation thereof in such plants, erection of structures, and other expenses necessary for the foregoing purposes including rents and transportation of things; to remain available for For construction, procurement, and modification of aircraft and equipment, including armor and armament, specialized acquisition of land, for the forgoing purposes, and such lands and interests therein, may be acquired, and construction obligation until September 30.

GLOSSARY OF ACRONYMS

Or AC

AGM - Air-to-Ground Missile

AIM - Air Intercept Missile

AIS - Avionics Intermediate Shop

ACMI - Aircraft Combat Maneuvering Instrumentation

AMRAAM - Advanced Medium-Range Air-to-Air Missile

AUTODIN - Automated Digital Network

AWACS - Airborne Warning and Control System

BLSS - Base Level Self-Sufficiency Spares

BY - Budget Year

C3 - Command, Control, and Communication System

CFE - Contractor Furnished Equipment

CONUS - Continental United States

CPMS - Comprehensive Power Management System

CPT - Cockpit Procedures Trainer

CRA - Continuing Resolution Authority

CTS - Countermeasures Test Set

CY - Current Year

DDTE - Design, Development, Test and Evaluation

ECCM - Electronic Counter Measures

ECM - Electronic Counter Measures

ECO - Engineering Change Orders

EOQ - Economic Order Quantity

ECP - Engineering Change Proposal

EPA - Economic Price Adjustment

EW - Electronic Warfare

EWAISP - Electronic Warfare Avionics Integration Support Facility

FLIR - Forward Looking Infra Red

FOT&E - Follow-on Test and Evaluation FOC - Fully Operational Capability

FLTS - Flight Line Test Set

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FPIF - Fixed Price Incentive Firm

FPIS - Fixed Price Incentive Fee, Successive Targets

GFE - Government Furnished Equipment

GPS - Global Positioning System

GSE - Ground Support Equipment

IOC - Initial Operating Capability

IPE - Increased Performance Engine

LANTIRN - Low Altitude Navigation and Targeting Infra Red System for Night

METS - Mobile Electronic Test Stations

MYP - Multiyear Procurement

MSIP - Multi-Stage Improvement Program

NMC Rate - Not Mission Capable Rate

OFP - Operational Flight Program

OT&E - Operational Test and Evaluation

OWRM - Other War Reserve Material

PAGEL - Priced Aerospace Ground Equipment List

PB - President's Budget

PGSE - Peculiar Ground Support Equipment

PMC - Procurement Method Code

PR - Purchase Request

PTT - Part Task Trainer

PY - Prior Year

R&M - Reliability and Maintainability

RAA - Required Asset Availability

RDT&E - Research, Development, Test and Evaluation

RWR - Radar Warning Receiver

ROM - Rough Order of Magnitude

SAM - Surface-to-Air Missile

SS - Sole Source

SOF - Special Operation Force

FAF - Tactical Air Force

TEWS - Tactical Electronic Warfare System

FISS - TEWS Intermediate Support System

TOA - Total Obligation Authority
WMP - War Mobilization Plan
WRM - War Reserve Material
WST - Weapon System Trainer
UHF - Ultra High Frequency
VHSIC - Very High Speed Integrated Circuit

ORGANIZATIONS

ACC - Air Combat Command

NATO - North Atlantic Treaty Organization **USAFE** - United States Air Forces Europe OSD - Office of the Secretary of Defense FAA - Federal Aviation Administration AFMC - Air Force Material Command ASC - Aeronautical Systems Center ATC - Air Training Command PACAF - Pacific Air Forces ALC - Air Logistics Center

FERMS

Advanced Buy - Obligating fund for longlead material/component is advance of the fiscal year the end item is authorized and procurement starts

Avionics - Electronic equipment on-board aircraft

Boresight - An optical reference line used in harmonizing guns, rockets on other weapon launchers

Chaff Flare - Radar and infrared countermeasures

Depot - Wholesale level repair and supply point

Drone - An object used for target practice

Fly by wire - Full authority electronic flight control system

Ground Clutter - Objects on the ground which cause distorted or misleading radar readings

Interdiction - Operational term for behind the front line bombing

Inter theater - Global

Intratheater - Within given area

Mobilization - The ability to move war fighting equipment from one place to another

Multi Stage Improvement Program - A phased program for upgrading the F-15 and F-16

Off the Shelf - Commercially available equipment

Pipeline Standards - The expected average time it takes for a component to be removed from the aircraft, repaired and returned for use in serviceable condition

Prototype - A working model transforming a developmental idea into reality

Provisioning - The process of determining and contracting for spare parts required to support new production systems for the

initial support period

Pylon - Munitions adapter

Readiness - Ability to go to war and support initial deployment

Robotics - Automated manufacturing technique

S-Band - Radio frequency spectrums from 1550 to 3900 MHZ

Solicitation - The process of requesting proposals from private industry for goods and services required by the government

Surge - The period of time between normal operations and increased operations

Sustainability - Ability to sustain wartime combat rates after initial surge

DEPARTMENT OF THE AIR FORCE

FY 1998/1999 PROCUREMENT PROGRAM

FEB 1997

SUMMARY (\$ IN MILLIONS)

APPROPRIATION: AIRCRAFT PROCUREMENT, AIR FORCE ACTIVITY	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7			
	0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	FY 1997	FY 1998	FY 1999
O1. COMBAT AIRCRAFT	1,311.8	616.0	438 8	0
O2. AIRLIFT AIRCRAFT	0.715.4			1,0/3.2
O3. TRAINER AIRCRAFT		6.114,2	2,251.4	2,960.6
	25.6	71.5	65.4	92.5
O4. UTHER AIRCRAFT	472.0	854.3	645.7	0000
O5. MODIFICATION OF INSERVICE AIRCRAFT	1,302.4	1.687.7	360	5.076
OG. AIRCRAFT SPARES AND REPAIR PARTS	541.5	170 6	0.000	1,512.7
O7. AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES	000		0.000	431.7
	4.00.4	673.1	699.8	1,088.8
TOTAL	7,149.1	6,484.8	5,817.8	8,079.8

* ITEMS UNDER \$50,000

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DEPARTMENT OF THE AIR FORCE FY 1998/1999 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

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CLATURE CODE LIVE 1998	LINE	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(DOLLARS)		1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	MILLIONS OF DOLLARS
COMBAT AIRCRAFT L FIGHTER CCUREMENT (PY) A 53,000,000 6 (302.8) 6 (323.7) 3 (159.0) 3 SOURCEMENT (PY) A 53,000,000 6 (302.8) 6 (323.7) 3 (159.0) 3 SOURCEMENT (PY) A 53,000,000 6 (302.8) 6 (323.7) 3 (159.0) 3 SOURCEMENT (PY) A 53,000,000 6 (302.8) 6 (323.7) 3 (159.0) 3 SOURCEMENT (PY) A 53,000,000 6 (302.8) 6 (323.7) 3 (159.0) 3 SOURCEMENT (PY) A 53,000,000 6 (302.8) 6 (323.7) 3 (159.0) 3 SOURCEMENT (PY) A 53,000,000 6 (302.8) 6 (323.7) 3 (159.0) 3 SOURCEMENT (PY) A 53,000,000 6 (302.8) 6 (149.5) 11.0 SOURCEMENT (PY) A 53,000,000 7 (48.5) 7 (48.5) 11.0 SOURCEMENT (PY) A 53,000,000 7 (48.5) 7 (48.5	•	CODE	FY 1998 UNIT COST	QUANTITY CO		FY 1998 QUANTITY	QUANTITY COST
SIVE						! ! !	
TICAL FIGHTER PROCUREMENT (PY) FY 1999) (MEMO) FY 2000) (MEMO) FY 1999) (MEMO) FY 1997) (MEMO) FY 1999) (MEMO) FY 1999	STRATEGIC OFFENSIVE						
TABLE TABL	1 B-1B	ш		54			
TICAL FIGHTER F PROCUREMENT (PV) REMENT (CV) FY 1999) (MEMO) FY 1999)	2 B-2A	m		749.		5.0	ח
ADVANCED TACTICAL FIGHTER LESS: ADVANCE PROCUREMENT (PY) ADVANCE PROCUREMENT (PY) ADVANCE PROCUREMENT (CY) (FY 1999 FOR FY 1999) (MEMO) (FY 1999 FOR FY 2000) (MEMO) (FY 1999 FOR FY 1999) (MEMO) (FY 1999 FOR FY 1999) (MEMO) (FY 1998 FOR FY	TACTICAL FORCES					1/4.1	ח
ADVANCED TACTICAL FIGHTER ADVANCE PROCUREMENT (CY) (FY 1997 FOR FY 1999) (MEMO) (FY 1998 FOR FY 1999) (MEMO) (FY 1998 FOR FY 2000) (MEMO) (FY 1998 FOR FY 1999) (MEMO) (FY 1998 FOR FY 1997) (MEMO) (FY 1998 FOR FY 1999) (MEMO)	3 ADVANCED TACTICAL FIGHTER LESS: ADVANCE PROCUREMENT (PY)	A					
ADVANCED TACTICAL FIGHTER ADVANCE PROCUREMENT (CY) (FY 1999 FOR FY 1999) (MEMO) (FY 1999 FOR FY 1999) (MEMO) (FY 1999 FOR FY 2000) (MEMO) (FY 1999 FOR FY 2000) (MEMO) (FY 1999 FOR FY 2000) (MEMO) (FY 1999 FOR FY 1997) (MEMO) (FY 1998 FOR FY 1999) (MEMO)				1 1 1 1	! ! !	1 1 1 1	(-162.1)
F + 15A F + 1995 C	4 ADVANCE TACTICAL FIGHTER					•	738.4
(FY 1999 FOR FY 2000) (MEMD) F-15A LESS: ADVANCE PROCUREMENT (PY) F-15A ADVANCE PROCUREMENT (CY) (FY 1996 FOR FY 1997) (MEMD) (FY 1998 FOR FY 1999) (MEMD) (11.0)	()				81.3 (81.3)	80.9	169.8 U
F-15A LESS: ADVANCE PROCUREMENT (PY) ADVANCE PROCUREMENT (CY) (FY 1998 FOR FY 1997) (MEMO) (FY 1998 FOR FY 1999) (MEMO)						(80.9)	
F-15A ADVANCE PROCUREMENT (CY) (FY 1996 FOR FY 1999) (MEMD) (FY 1998 FOR FY 1999) (MEMD) (11.0)	F-15A LESS:	۷	53,000,000		9		
F-15A ADVANCE PROCUREMENT (CY) (FY 1996 FOR FY 1997) (MEMO) (FY 1998 FOR FY 1999) (MEMO)				3008	•	i	
48.5 (48.5)	6 F-15A					159.0	165.0
	ADVANCE PROCUREMENT (CY) (FY 1996 FOR FY 1997) (MEMO)			48.5		11.0	n
	(TEMU)					(11.0)	

DEPARTMENT OF THE AIR FORCE FY 1998/1999 PROCUREMENT PROGRAM

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

EXHIBIT P-1

DATE: FEB 1997

		(DOLLARS)			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	MILLIONS OF DOLLARS
LINE NO ITEM NOMENCLATURE	CODE			QUANTITY COST	QUANTITY COST	1999
7 F-16 C/D (MYP)	∢		6 157.1	6 154 8		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
TOTAL COMBAT AIRCRAFT			1.311.8	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	n
BUDGET ACTIVITY 02: AIRLIFT AIRCRAFT					435.8	1,073.2
TACTICAL AIRLIFT						
8 C-17 (MYP) . LESS: ADVANCE PROCUREMENT (PY)	ω	241,012,333	8 (2396.7)	8 (2152.6)	9 (2169.1)	13 (2984.3)U
			2206.8	1900.8	1903 3	(-327.2)
9 C-17 (MYP) ADVANCE PROCUREMENT (CY)				•		
(FY 1996 FOR FY 1997) (MEMD) (FY 1996 FOR FY 2002) (MEMD) (FY 1996 FOR FY 2003) (MEMD)			(221.8) (38.0)	211.8	278.2	303.5 U
1997 FOR FY 1998) 1998 FOR FY 1999) 1999 FOR FY 2000)			(19.0)	(211.8)	(278.2)	
10 EC-130J	4					(303.5)
OTHER AIRLIFT				-		
11 C-130J	⋖	49,928,000	2 98.0	6		

* ITEMS UNDER \$50,000

PAGE F-3

2,960.6

2,251.4

165.7

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TOTAL AIRLIFT AIRCRAFT

12 WC-130J

49.9

62.8

98.0 131.8 2,715.4

49,928,000

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DEPARTMENT OF THE AIR FORCE FY 1998/1999 PROCUREMENT PROGRAM

EXHIBIT P-1

DATE: FEB 1997 APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

		1 1 1 1 1 1	i		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	MIL	MILLIONS OF DOLLARS	DOLLARS
L INE NO	ITEM NOMENCLATURE	IDENT	FY 1998 UNIT COST	QUANTITY COST	9661	OUANTITY	QUANTITY COST	QUANTITY COST QUANTITY COST QUANTITY COST	QUANTITY COST	FY 1999 QUANTITY COST	1999 E COST C
BUDGET AC	BUDGET ACTIVITY 03: TRAINER AIRCRAFT										
13 JPATS	·	∢	3,634,166	ю	15.3	5	67.1	18	65.4	6	о В
14 TANKE	14 TANKER, TRANSPORT, TRAINER SYSTEM	М		*	10.3		4.5			ļ.	
TOTAL TRA	TOTAL TRAINER AIRCRAFT			1	25.6		71.5		1 4 4		
BUDGET ACTIVIT	BUDGET ACTIVITY 04: OTHER AIRCRAFT								†		
HELICOPTERS	TERS										
15 HH-60G	90	A				œ	107.8				:
MISSION	MISSION SUPPORT AIRCRAFT										0
16 CIVIL	16 CIVIL AIR PATROL A/C	A	97,962	27	2.6	27	2.6	27	0	7.0	
17 SMALL	17 SMALL VCX (C-37)	٨				8	99.2	i) :	7	0 =
18 LARGE	18 LARGE VCX (C-32A)	4	95,058,000					0	190.1	c	167
19 DRUG	19 DRUG INTERDICTION	۵			1.6						
OTHER AIRCRAFT	IRCRAFT										0

61.10

28.9

20.3

UNCLASSIFIED

DEPARTMENT OF THE AIR FORCE FY 1998/1999 PROCUREMENT PROGRAM

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

EXHIBIT P-1

	A	AIR TORCE	1	1		DATE: FEB 1997
		(DOLLARS)		1	MILL	MILLIONS OF DOLLARS
NO ITEM NOMENCLATURE	IDENT CODE	FY 1998 UNIT COST		1.5	QUANTITY CC	ST QUANTITY COST C
20 E-8C LESS: ADVANCE PROCUREMENT (PY)	œ	380,949,000	2 (520.9)	2 (524.3) (-128.5)	(-67.0)	2 (683.4)U (-115.2)
21 E-8C			372.1	395.9	314.0	568.2
ADVANCE (FY 1996 (FY 1997			95.8	141.0	22.4	103.0 U
(000)				(55.6) (85.4)	(22.4)	
22 PREDATOR UAV	A	7,767,066		46		(103.0)
TOTAL OTHER AIRCRAFT			775	1	15 116.5	11 79.3 U
BUDGET ACTIVITY 05: MODIFICATION OF	OF INSERVICE AIRCRAFT	AIRCRAFT		854.3	645.7	920.3
STRATEGIC AIRCRAFT						
23 B-2A MODS	A		20.6	u	9	
24 B-1B MODS	A		66 5	136	13.9	16.3 U
25 B-52 MODS	A		8.4	3.33	114.2	127.4 U

* ITEMS UNDER \$50,000

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DEPARTMENT OF THE AIR FORCE FY 1998/1999 PROCUREMENT PROGRAM

EXHIBIT P-1 DATE: FEB 1997

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

SmS . 1 U 29.3 U 28.3 U 193.1 U 227.8 U 75.7 U 10.0 U 42.9 U 9.0 U \supset \supset GUANTITY COST MILLIONS OF DOLLARS ď COST QUANTITY COST 28.3 25.0 83.0 16.3 3 2.3 169.6 59.1 6.9 216.2 COST QUANTITY COST 29.2 35.8 ٠. 133.8 <u>თ</u> 9.6 5.3 158.9 54.0 4.8 COST ----FY 1996----46.3 27.0 78.3 115.6 60.09 3.9 15.3 20.8 6.1 ო. QUANTITY (DOLLARS) FY 1998 UNIT COST IDENT V ITEM NOMENCLATURE TACTICAL AIRCRAFT AIRLIFT AIRCRAFT 32 T/AT-37 MODS 28 F/RF-4 MODS 31 EF-111 MODS 38 C-STOL MODS 26 F-117 MODS 39 C-137 MODS 27 A-10 MODS 29 F-15 MODS 30 F-16 MODS 36 C-21 MODS 37 C-22 MODS 35 C-17 MODS 33 C-5 MODS 34 C-9 MODS LINE

* ITEMS UNDER \$50,000

UNCLASSIFIED

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DEPARTMENT OF THE AIR FORCE FY 1998/1999 PROCUREMENT PROGRAM

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

EXHIBIT P-1 DATE: FEB 1997

		(DOLLARS)				DOLLARS
NO ITEM NOMENCLATURE	CODE	FY 1998 UNIT COST	QUANTITY COST	QUANTIT	QUANTITY	COST QUANTITY COST C
40 C-141 MODS	A		90.6	C C C C C C C C C C C C C C C C C C C	1000	
TRAINER AIRCRAFT					7.00	0 8.9
41 T-1 MODS	4		5	7	1	
42 T-3 MODS	A		•		0.	
43 T-38 MODS	4		, c		· :	J.
44 T-41 MODS	A		*	υ. •	14.8	
45 T-43 MODS	∢		11 7	4 (· :	n F.
OTHER AIRCRAFT				0	10.3	2.3 U
46 KC-10 MODS	V		24.7	6	r.	
47 C-12 MODS	A				C.4.	29.3 N
48 C-18 MDDS	٧		- (0.11	4.7	3.4 U
49 C-20 MODS	. «		7.6	-	e.	.4 U
A PROPERTY OF	t .		14.1	6.9	6.5	2.5 U
	A		9.4	σ.	10.8	1.10
	Ø		84.0	101.7	94.5	104.6 U
	V		237.1	237.0	137.9	139.2 U
53 E-3 MODS	A		222.8	265.9	134.7	114.9 U
54 E-4 MODS	A		8.6	9.8	11.4	

* ITEMS UNDER \$50,000

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DEPARTMENT OF THE AIR FORCE. FY 1998/1999 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

		0.00E				DATE. EEG 1007	
			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
1.1	1	(DOLLARS)		ITIW	X	MILLIONS OF DOLLARS	ARS
NO . ITEM NOMENCLATURE	CODE	LINIT COST	QUANTITY COST	QUANTITY COST	QUANTITY COST	0UANTITY	99 E
55 E-8 MODS	۷						
56 H-1 MODS	4					7	72.9 U
57 H-60 MODS	٥		4.8	8.8	2.8		18.9 U
58 OTHER AIRCRAFT MODS	∵			0.9	16.9		19.3 U
OTHER MODIFICATIONS			28.6	35.1	33.1	•	22.4 11
59 CLASSIFIED PROJECTS MODS	A		9	c			
60 DARP MODS	A		- m	0.8	7.6		7.8 U
TOTAL MODIFICATION OF INSERVICE AIRCRAFT			1.302 4	279.4	67.1	7	77.2 U
BUDGET ACTIVITY 06: AIRCRAFT SPARES AND REPAIR		PARTS		1,08/./	1,369.8	1,512.7	2.7
AIRCRAFT SPARES + REPAIR PARTS							
61 SPARES AND REPAIR PARTS	4		541.5	9 021	6		
TOTAL AIRCRAFT SPARES AND REPAIR PARTS	STS		541.5	170.6	350.0	431.7	431.7 U
BUDGET ACTIVITY O7: AIRCRAFT SUPPORT EQUIPMENT		AND FACILITIES			0.068	43	431.7

COMMON SUPPORT EQUIPMENT

DEPARTMENT OF THE AIR FORCE FY 1998/1999 PROCUREMENT PROGRAM

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

DATE: FEB 1997

EXHIBIT P-1

TNE			(DOLLARS)				MILLIONS OF DOLLARS
2	ITEM NOMENCLATURE	CODE	FY 1998 UNIT COST	QUANTITY COST	QUANTITY COST	QUANTITY COST QUANTITY COS	QUANTITY COST C
62 CON	62 COMMON SUPPORT EQUIPMENT	A		207.9	CST		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
POST F	POST PRODUCTION SUPPORT					151.2	165.4 U
63 A-	63 A-10 POST PROD SUPP	۷					
64 B-2	64 B-2A POST PROD SUPP	m				7. 	11.8 U
65 C-E	65 C-5 POST PROD SUPP	۷					235.5 U
66 F-1	66 F-15 POST PROD SUPP	۵		7	t		29.6 U
67 F-1	67 F-16 POST PROD SUPP	4		100 3	p	8	8.1 U
INDUST	INDUSTRIAL PREPAREDNESS				9.00	22.4	28.7 U
68 INE	68 INDUSTRIAL PREPAREDNESS	∢		38	c c	•	
WAR CO	WAR CONSUMABLES					25.9	27.8 U
69 WAR	69 WAR CONSUMABLES	Ø		24.6	C u	!	
OTHER	OTHER PRODUCTION CHARGES				7.00	9.79	59.7 U
70 MIS	70 MISC PRODUCTION CHARGES	۷		171.4	194	1 1 2	
71 CAN	71 CANCELLED ACCOUNT ADJUSTMENTS	4		ဖ		8/0/8	359.0 U
COMMON	COMMON ECM EQUIPMENT						n

* ITEMS UNDER \$50,000

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DEPARTMENT OF THE AIR FORCE FY 1998/1999 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

1	TACCORDER TO THE TOTAL THE	AIR	URCE			1	DATE: FEB 1997
1			(DOLLARS)			MIL	MILLIONS OF DOLLARS
NO NO	ITEM NOMENCLATURE	IDENT	FY 1998 UNIT COST	QUANTITY COST	QUANTITY COST	QUANTITY COST QUANTITY COST	QUANTITY COST C
72 COMA	72 COMMON ECM EQUIPMENT			4.7	4		
DARP						9.	5.2 U
73 DARP				203.5	- CR	1	
TOTAL AI	TOTAL AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES	TIES		780.4	673.1	141.5	157.9 U
TOTAL AI	TOTAL AIRCRAFT PROCUREMENT, AIR FORCE			7,149.1	6,484.8	5,817.8	1,088.8

BUDGET ITEM JUSTIFICATION SHEET APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
AIRCRAFT PROCUREMENT/BA01, COMBAT AIRCRAFT	B-1B BOMBER

	FY 1996	FY 1997	FY1998	FY 1996 FY 1997 FY1998 FY1999	FY2000	FY 2001	FY 2001 FY 2002 FY 2003	FY 2003	To	Total
									Comp	
QUANTITY	0	0	0	0	0	0	0	0	0	0
COST (IN millions)	54.4	13.5	10.9	0	0	0	0	0	0	78.8
Initial Spares (in M)	0	0	0	0	0	0	0	0	0	0
Total (In Millions)	54.4	13.5	10.9	0	0	0	0	0	0	78.8
Unit Cost (in M)										

MISSION AND DESCRIPTION:

conventional bombers to meet the demands of responding rapidly to security threats from various regions around the world. The B-1B is the weapon system to meet the challenge of these threats. Funding will support Interim Contractor Support (ICS) repair until organic capability The B-1B has been designated as the "backbone" of the conventional bomber force. National Security will increasingly depend on can be established. Organic repair capability is projected to be completed in FY 2000.

FY 98/99 PROGRAM JUSTIFICATION:

Contractor Support services include data management, contractor operated storage sites, packaging, handling, transportation and material Interim Contractor Support (ICS) provides for both Intermediate and Depot Level Repair services for the B-1B weapon system. Interim control systems for items requiring repair. Types of items repaired on ICS include: gearbox assemblies, manifold assemblies, vertical indicators, auxiliary power units and power drive units.

AIRCRAFT COST ANALYSIS EXHIBIT P-5	A. Appn/Budget Activity Title/No.	idget e/No.	B. Popular Name	Name	C. Manufacturer	turer	D. Date	Feb-97
(Dollars in Millions)			B-18		Rockwell Int'l	Ŧ		
		QTY		QTY		QTY		ATV QTY
	FY96		FY97	0	FY98	0	FY99	
	Unit	Total	Unit	Total	Unit	Total	Unit	
	Cost	Cost	Cost	Cost	Cost	Cost		st Cost
AIRFRAME/CFE ENGINE/ACCESSORIES		0.0		0.0		0.0		0.0
Eng Model: AVIONICS								
ARMAMENT OTHER GEE								
ECO (All Flyaway Components)								
NON-RECURRING COSTS OTHER COSTS								
Subtotal FLYAWAY COSTS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AIRFRAME PGSE (Deferred Logistics) ENGINE PGSE AVIONICS PGSE PECULIAR TRAINING EQUIPMENT PUBLICATIONS/TECH. DATA								
ECO (ALL SUPPORT ITEMS) OTHER (ICS)		54.4		13.5		10.9		
Program Management Administration (PMA) Subtotal SUPPORT COST	,	54.4		13.5	1	10.9		0.0
GROSS P-1 COST		54.4		13.5		10.9		0.0
20 LESS: Prior Yr Adv. Proc		0.0		0.0		0.0		0.0
21 NET P-1 COST		54.4		13.5		10.9		0.0
								EXHIBIT P-5

BUDGET ITEM JUSTIFICATION SHEET	Date: Feb 97
APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
AIRCRAFT PROCUREMENT/BA01, COMBAT AIRCRAFT	B-2A BOMBER

	FY	FY 1997	FY1998	FY1999	FY 2000	FY1999 FY 2000 FY 2001 FY 2002 FY 2003	FY 2002	FY 2003	To	Total
	96/Prior								Comp	
QUANTITY	15	0	0	0	0	0	0	0	0	15
COST (IN millions)	17352.6	91.3	174.1	0	0	0	0	0	0	17618.0
Initial Spares (in M)	888.1	35.0	7.79	0	0	0	0	0	0	8.066
Total (In Millions)	18240.7	126.3	241.8	0	0	0	0	0	0	18608.8
Unit Cost (in M)	1156.8									

MISSION AND DESCRIPTION:

worldwide conventional and nuclear delivery missions consistent with Air Combat Command requirements. Survivability will be enhanced by capability and a penetration speed commensurate with high probability of survival without unduly penalizing mission range. The management The B-2 is an all-wing, two-crew aircraft with provisions for a third crew member and has twin weapons bays of over 20,000 pounds capacity reduction of observable signatures and complementary defense management system. The B-2 will also have a low altitude terrain following each. It is powered by four F118-GE-100 turbofan engines. The low wing loading provides efficient cruise and good airfield performance. The B-2 bomber exploits breakthroughs in low observables technology (radar, infrared, visual, electromagnetic, and acoustic) to achieve vehicle signatures that will allow penetration of current and postulated enemy air defenses. The B-2 will have the capability to perform and acquisition strategy provides the user a capability for the lowest possible cost.

FY 98/99 PROGRAM JUSTIFICATION:

training device, maintenance training device, peculiar support equipment, Program Management Administrative Requirements (PMAR), and The FY 1998/99 program contains costs associated with software investment, technical orders, Interim Contractor Support (ICS), aircrew non-recurring effort (including curtailment). In FY 99 funds have been transferred to a new B-2 Post Production Support (PPS) line.

UNCLASSIFIED

EXHIBIT P-40

EXI

AIRCRAFT COST ANALYSIS EXHIBIT P-5	A. Appn/Budget Activity Title/No.	ıdget le/No.	B. Popular Name	. Name	C. Manufacturer	cturer	D. Date	Feb-97
(Dollars in Millions)	Aircraft Pro	Aircraft Procurement	B-2 Advanced Tech	sed Tech	Northrop/Grumman	rumman		
	Combat Aircraft/BA 1	rcraft/BA 1	Bomber		Pico/Rivera,	a, CA		
		QTY		QTY		QTY		QTY
	FY96	0	FY97	0	FY98	0	FY99	0
	Unit	Total	Unit	Total	Unit	Total	Unit	Total
	Cost	Cost	Cost	Cost	Cost	Cost	t Cost	Cost
AIRFRAME/CFE		0.0		0.0		0.0		0.0
AV 1 UPGRADE		476.8		0.0		0.0		0.0
ENGINE/ACCESSORIES		0.0		0.0		0.0		0.0
Eng Model: F-118-GE-100		0.0		0.0		0.0		0.0
AVIONICS		0.0		0.0		0.0		0.0
WEAPON DELIVERY SYSTEM		8.7		9.8		0.0		0.0
OTHER GFE		0.0		0.0		0.0		0.0
ECO (All Flyaway Components)		2.7		5.3		11.5		0.0
NON-RECURRING COSTS		19.0		23.7		21.8		0.0
OTHER COSTS		0.0		0.0	-	0.0		0.0
Subtotal FLYAWAY COSTS	0.0	507.2	0.0	38.8	0.0	33.3	0.0	0.0
AIRFRAME PGSE (Deferred Logistics)		47.0		15.4		8.8		0.0
ENGINE PGSE		2.1		0.0		0.0		0.0
AVIONICS PGSE		0.0		0.0		0.0		0.0
PECULIAR TRAINING EQUIPMENT		55.5		8.6		12.0		0.0
PUBLICATIONS/TECH. DATA		15.0		0.7		5.2		0.0
OTHER (ICS)		17.2		4.5		44.0		0
S/W INVESTMENT		86.3		1.7		42.1		0.0
Program Management Admin Reqmt (PMAR)		12.3		15.1		11.5		0.0
OTHER		6.5		7.1		17.2		0.0
Subtotal SUPPORT COST		241.9		52.5		140.8		0.0
GROSS P-1 COST		749.1		91.3		174.1		0.0
20 LESS: Prior Yr Adv. Proc		0.0		0.0		0.0		0.0
21 NET P-1 COST		749.1		91.3		174.1		0.0
								FXHIRIT P.5

Acquisition Logistics and Operations & Support Funding for Selected Weapon Systems UNCLASSIFIED

EXHIBIT P-6

A. General Program Data Procurement Qty Cum Operating Inventory No. of Operating Units OPTEMPO (Flying Hrs or Miles per month) Readiness Objective Intermediate Level Stand-Up date Depot Level Stand-Up Date	FY 97 13 2745.0	FY 98							
General Program Data Procurement Qty Cum Operating Inventory No. of Operating Units OPTEMPO (Flying Hrs or Miles per month) Readiness Objective Intermediate Level Stand-Up date Opport Level Stand-Up Date	13		FY 99	FY 00	FY 01	FY 02	FY 03	5	Total
stive and the same of the same	2745.0	16	17	21	21	21	21	0	23
		3172.0	4410.0	5917.0	6592.0	6720.0	6848.0	150656.0	191031.4
B. Acquisition Logistics Resources lnitial Spares Mission Readiness Spares Pkg 73.3	35.0	67.7	27.2	25.6	6.7	4.6 0.0	0.6 0.0	0.0	1055.5 73.3
Field Level Common Spt Equip Proc	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0	17.6
I Peculiar Spt Equip	14.6	7.1	5.0	4.5	0.0	0.0	0.0	0.0	556.1
Proc Depot Level Support Equip/Software RDT&E	10.9	o. O	1.0	4.	o. <u> </u>	0.2	0.0	0.0	314.1
Proc - Equip	5: 7	7.9	0.0	0.0	0.0	0.0	0.0	0.0	324.2
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Technical Data/Manuals RDT&E 293.4	2.9	4.1	1.0	6.0	0.0	0.0	0.0	0.0	299.6
Proc 324.5	0.7	5.2	5.2	0.7	0.0	0.0	0.0	0.0	336.3
RDT&E 886.5	0.0	0.0	ر ا کا	5.0	0.0	0.0	0.0	0.0	897.0
Proc 483.7	9.8	12.0	3.7 0.0	0.0	0.0	0.0	0.0	0.0 0.0	508.0

EXHIBIT P-6

Weapon System: B-2				Date:	Feb-97		PE 11127F	64240F		
	FY 96/P	FY 97	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	5	Total
C. Operations and Support Manpower (Nos. and \$) Military		1,1	730	270	67.0	4110	200	710		
Onicer Enlisted Civilian		1469	1493	1554		1590	1561	1561		
Cost (\$)	C)	4 55	7.7	10	6.	15.9	16.6	17.4	506 4	599 1
Consumables (3400)	58.1	5.9	7.7			14.2	14.9	15.5	238.0	376.8
Reparables (3400)	17.9	13.6	32.2		66.0	75.3	78.4	83.3	2253.2	2663.1
Interim Contractor Support (3010)	154.6	1.1	42.1	45.6	47.6	10.0	0.0	0.0	0.0	301.0
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	EXHIBIT P-2																ď	S	¢	Spil	Ľ	U	_										VQ	1	6	5		l		

FY98 PB	SIMULATOR	AND TRAINII	SIMULATOR AND TRAINING DEVICE JUSTIFICATION (\$ M)	JSTIFICATIO	N (\$ M)			DATE	Feb-97	
APPROPRIATION/P-1 Line Item: Aircraft Procurement, Combat Aircraft, BA01	Line Item: Sombat Aircraft	t, BA01	Weapon System: B-2	em:	Equipment Nomenclature: Aircrew & Maintenance Tr	Equipment Nomenclature: Aircrew & Maintenance Trainers	iners	ЬE	11127F & 64240F	240F
Fin Plan	FY96/Prior	FY97	FY98	FY99	FY00	FY01	FY02	FY03	TC	Total
Quantity	59									59
Proc	483.7	9.8	12.0	3.7	0.0	0.0	0.0	0.0	0.0	508.0
RDT&E	886.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	886.5
O&S	29.2	9.0	15.5	20.0	20.0	20.0	20.0	20.0	20.0	153.7

Training System Description

academic materials. The maintenance trainer RFT date was May 93. Aircrew training began in Jan 94. The maintenance trainers trainer. The TSC, SSC and TL are support devices for the above listed trainers. Outyear funds are for post block-30 correction of The Training System consists of training equipment hardware, software, and courseware, training missions and classroom consist of the CMTS, WSTA, and the CESMT. The CPT, WST, and the MT are aircrew trainers and the WLT is an armament deficiencies (CODs), flight performance updates, and concurrency changes. Included is non-recurring effort for engineering changes, testing and hardware/software integration.

RFT= Ready for Training CPT= Cockpit Procedures Trainer WST= Weapon Sys MT= Mission Trainer WLT= Weapons Loading Trainer CMTS= Computerized Maintenance Training System

WSTA= Weapon System Training Aid CESMT= Crew Escape System Maintenance Trainer TSC= Training Support Center SSC= System Support Center TL= Training Library

Page 1 of 4	ITEM NO.
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EV98 DB	CIMILI	T ON A OT	BAINING DEV	SIMILI ATOR AND TRAINING DEVICE HISTIEICATION (\$ M)	TION (\$ M)					DATE	Eob 07	
APPROPRIATION/P-1 Line Item: Aircraft Procurement, Combat Aircraft, BA01	Line Iter	E	Weapon System: B-2	:We	IOC Initial RFI	IOC Initial RFT: DEC 93	Equipme Aircrew	Equipment Nomenclature: Aircrew & Maint Trainers	ature: ners	34		& 64240F
TRAINING	SITE	DELIVERY	READY FOR	AVG	PRIOR	PRIOR YEARS	Ľ.	FY97		FY98	Œ	FY99
ВУТУРЕ				THROUGHPUT	QTY	COST	QTY	COST	QTY	COST	QTY	COST
MAINTENANCE	WAFB, MO	APR 93	MAY 93	575	54	179.2		2.1		4.5		2.0
AIRCREW	WAFB, MO				Ŋ	304.5		6.5		7.5		1.7
BLOCK 10 BLOCK 20 BLOCK 30	= = =	SEP 93 FEB 96 MAY 97	JAN 94 MAY 96 JUL 97			78.5 139.5 86.5		3.0 3.5		3.5		0.3
TOTAL					50	483.7		<u>α</u>		12.0		3.7
			P-1 SHOPPING L ITEM NO.	LIST	PAGE NO.	PAGE NO.						Exhibit P-43 Page 2 of 4

Total Hardware Costs Total Support Costs Total Hardware Costs	FY98 PB	SIMULA.	SIMULATOR AND TRAINING DEVICE JUSTIFICATION (\$ M)	RAINING	DEVICE JUS	STIFICAT	(M \$) NOI.				DATE	Feb-97	
Angle Angl	Training Device by Type: AIRCREW TRAINERS							Weapon	System: B-2				
CALL PLAN COST CTY C	Description/Justification: Contains 3 Weapon Systen Also contains funding for blo	n Trainers ock updat	(WST) and a	2 Mission in concurr	Trainers (Mo	r) needed e air vehic	I to conduct cle.	aircrew tra	aining of the	B-2.			
COST QTY QTY COST QTY QTY COST QTY COST		Prio	r Years	Ĺ	797	II.	Y98	<u>L</u>	499	To Co	omplete	Total	Costs
### Costs	FINANCIAL PLAN	QTY	COST	QTY	COST	QTY	COST	QTY	COST	αΤΥ	COST	QTY	COST
Cost	HARDWARE COSTS	ĸ	240.1									Ľ	600
CosTS CosTS Cost CosTS CosT	ECO	0	6.0									n	6.0
Fee 1.7 0.0	Nonrecurring		26.8		6.5		7.5		1.7		0.0		45.5
OFT COSTS 7.0 Total Support Costs 7.0 L COSTS 304.5 6.5 7.5 1.7 0.0 ITEM NO.	Other (Fee) Total Hardware Costs		24.6		0.0		7.5		1.7		0.0		313.2
ORT COSTS 7.0 Total Support Costs Are/Courseware L COSTS 904.5 6.5 7.5 1.7 0.0 P-1 SHOPPING LIST PAGE NO. TIEM NO.													
Total Support Costs 7.0 6.5 7.5 1.7 0.0 0.0 1.7 9.0 0.0 1.7 9.0 0.0 1.7 9.0 0.0 1.7 9.1 9.1 9.1 9.1 9.1 9.1 9.1 9.1 9.1 9.1	SUPPORT COSTS Special SE		7.0										7.0
304.5 6.5 7.5 1.7 0.0 Page NO. ITEM NO. ITEM NO.			7.0										7.0
304.5 6.5 7.5 1.7 0.0 P-1 SHOPPING LIST PAGE NO. ITEM NO.			?										2:
304.5 6.5 7.5 1.7 0.0	Software/Courseware												
PPING LIST PAGE NO.	TOTAL COSTS		304.5		6.5		7.5		1.7		0.0		320.2
PPING LIST PAGE NO.													
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					ITEM NO.	ב ב	LAGE NO.	1					Page 3 of 4

FY98 PB	SIMULA	SIMULATOR AND TRAINI	RAINING	NG DEVICE JUSTIFICATION (\$ M)	STIFICAT	TION (\$ M)				DATE	Feb-97	
Training Device by Type: MAINTENANCE TRAINERS	S						Weapon System: B-2	System: B-2				
Description/Justification: Contains all necessary equipment for maintenance training equipment as well as future block updates to maintain concurrency with the air vehicle.	ipment for	r maintenanc	e training	equipment (as well as	future block	updates t	to maintain c	oncurrenc	sy with the ai	ir vehicle.	
	Prio	Prior Years		FY97	4	FY98	II.	FY99	To C	To Complete	Tota	Total Costs
FINANCIAL PLAN	αтγ	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
HARDWARE COSTS Device	54	134.5		2.1		4.5		2.0		0.0	54	143.1
CO Nonrecurring GFE Other (Fee) Total Hardware Costs		134.5		2.7		4.5		2.0		0.0		143.1
SUPPORT COSTS Special SE ILS		30.6										30.6
Other Total Support Costs		30.6										30.6
Software/Courseware		14.1		0.0		0.0		0.0		0.0		14.1
TOTAL COSTS		179.2		2.1		4.5		2.0		0.0		187.8
					. 10							, a
				P-1 SHOPPING LIST ITEM NO.	3 LIST	PAGE NO.		Ô				Exhibit P-43 Page 4 of 4
						1						X

BUDGET ITEM JUSTIFICATION SHEET APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
AIRCRAFT PROCUREMENT/BA01, COMBAT AIRCRAFT	F-22 Advanced Tactical Fighter

	FY 1996 FY 1997	FY 1997	FY1998	FY1999	FY 2000	FY 2001	FY 2002	FY 2003	To Comp	Total
QUANTITY	0	0	0	2	9	12	20	30	898	438
COST (In Millions)	0	0	0	900.5	1579.7	2499.1	3506.9	3946.2	32438.8	44871.2
Initial Spares (in M)	0	0	0	26.0	46.8	78.0	110.7	152.5.	2337.0	2751.0
Total (In Millions)	0	0	0	926.5	1626.5	2577.1	3617.6	4098.7	34775.8	47622.2
Unit Cost (in M)	0	0	0	463.3	271.1	214.8	6.081	136.6	94.5	108.7

MISSION AND DESCRIPTION:

The F-22 program is developing the next-generation air superiority fighter for introduction in the early 2000's to counter emerging proliferating worldwide threats. The F-22 is designed to penetrate enemy airspace and acheive a first look, first-kill capability against multiple targets. The F-22 is characterized by a low-observable highly maneuverable airframe, advanced integrated avionics, and a new engine capable of supersonic cruise without the use of afterburner. A total of 438 F-22 aircraft will be produced.

FY 99 PROGRAM JUSTIFICATION:

Procures the first 2 Low Rate Initial Production (LRIP) aircraft and associated support.

(Dollars in Millions) AF/BA01 Combat Acft AF/BA01 Combat Acft Cost C		F-22 FY97 Unit		Lockheed Corp	٥	Feb-97	
nts)	> _			Mariotto Co			
nts)	Total Cost 0.0		OTY	Marietta, GA	QTV		OTY
nts)	Total	Unit	0	FY98	0	FY99	. 2
nts)		100	•	Cuit	Total		Total
nts)		COS	0.0	COS	0.0	220.5	440.9
nts)			5				42.7
nts)						7	77
nts) Y COSTS						9	200
Y COSTS							
I FLYAWAY COSTS						92.2	184.4
						1.5	3.0
****	0.0	0.0	0.0	0.0	0.0	392.2	784.3
AIR VEHICLE PGSE							91.4
ENGINE PGSE							15.1
AVIONICS FGSE PECULIAR TRAINING EQUIPMENT							
PUBLICATIONS/TECH. DATA							
ECO (ALL SUPPORT ITEMS)	C		Ċ		c		c
Program Management Administration (PMA)	0.00		5		0.0		0.0
Subtotal SUPPORT COST	0.0		0.0	<u> </u>	0.0		116.2
GROSS P-1 COST	0.0		0.0	***	0.0		900.5
20 LESS: Prior Yr Adv. Proc	0.0		0.0		0.0		-162.1
21 NET P-1 COST	0		0		0.0		738.4

B. Appropriation/Budget Activity Aircraft Procurement/BA01, Combat Aircraft Cost Elements Contractor Fiscal Year and Location AIRFRAME FY99 Lockheed, Marietta PROPULSION FY99 Pratt & Whitney	get Activity A01, Combat Aircraft Contractor and Location Lockheed, Marietta	Contract Method	C. P-1 Item Nomenclature	ture						
Aircraft Procurement/BA01, Corost Elements Contract Fiscal Year and Local Fiscal Year and Local Prygg Lockhee FYgg Lockhee FYgg PROPULSION	ombat Aircraft stor cation ed, Marietta	Contract Method								
Cost Elements Contract Fiscal Year and Loc AIRFRAME FY99 Lockhee PROPULSION FY99 Pratt & \(\)	stor cation ed, Marietta		F-22							
VAME	ed, Marietta	-	Contracted By	Award Date	Date of First Delivery	Quantity	Unit Cost (\$M)	Unit Specs Cost (\$M) Available Now	Specs REV REQ'D	If Yes, when Available
ULSION		Œ	ASCMF	Jun-98	Nov-01	2	220.5	N/A	WA	
	Pratt & Whitney	Œ	ASC/LP	Feb-98	Feb-01	4	10.7	N/A	NA	
D. REMARKS:							,			
			ONO	UNCLASSIFIED	-IED					

FY 98 BUDGET ESTIMATE SUBMISSION	BMISSIN	2	<u>. </u>						F-22	ADVA	VCED	TAC	F-22 ADVANCED TACTICAL FIGHTER	FIGHT	ER								-									
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ITEM/MANUFACTURER/	E PROC.	C. PRIOR		DUE			-				CALL	CALENDAR YR 96	YR 96	-		+	-		1	2	TENDA	CALENDAR YR 97					-	CAL	CALENDAR YR 9	YR 98		T
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F-22 ATF/Lockheed/FY 00		+	+	p	+	+	+	1	+	+	1	1	+	+	1	+	+	1		+	+	I	+	+	1	1	+	+		\dagger	+	T
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MANUFACTURER'S NAME AND LOCATION	NOL	MINIMUM SUST.	2		MAX H	皇 古			ADMIN ADMIN	ADMIN D TEME			MFG	TOTAL		- 4	itial M vard (fg PL1	reflect)	ts Addelive	ance ry of f	d Proc	urem	ent. It	is the	Initial Mfg PLT reflects Advanced Procurement. It is the numbe Award (Jun 98) until delivery of first production aircraft (Nov 01).	 Initial Mig PLT reflects Advanced Procurement. It is the number of months from Lot 1 Long Lead Award (Jun 98) until delivery of first production aircraft (Nov 01). 	nonths	from	Lot 1	ong L	ead
Lockheed, Marietta, GA		TBD	TBD		TBD				PRIOR		AFTER		TIME	1001	Ħ																	
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BUDGET ITEM JUSTIFICATION SHEET	Date: Feb 97
APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
AIRCRAFT PROCUREMENT (ADV BUY) /BA01, COMBAT AIRCRAFT	F-22 ADVANCED TACTICAL FIGHTER

	FY 1996	FY 1996 FY 1997	FY 1998	FY 1999	FY2000	FY2001	FY 2002	FY 2003	To Comp	Total
QUANTITY										
COST (IN millions)		81.3	80.9	8.691	278.3	373.4	304.3	1017.6	2157.9	4463.4

MISSION AND DESCRIPTION:

The F-22 program is developing the next-generation air superiority fighter for introduction in the early 2000's to counter emerging proliferating F-22 is characterized by a low-observable highly maneuverable airframe, advanced integrated avionics, and a new engine capable of supersonic worldwide threats. The F-22 is designed to penetrate enemy airspace and acheive a first look, first-kill capability against multiple targets. The cruise without the use of afterburner. A total of 438 F-22 aircraft will be produced.

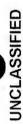
FY98 PROGRAM JUSTIFICATION:

FY 98 Advance buy supports 2 aircraft buy in FY 99 and DMS for Lots 1-5. DMS includes part purchase and redesign activities.

FY99 PROGRAM JUSTIFICATION:

FY 99 Advance buy supports 6 aircraft buy in FY 00 and DMS for Lots 1-5. DMS includes part purchase and redesign activities.

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WEAPON SYSTEM ADVANCE PROCUREMENT		EXHIBIT P-10	Budget Year For Fise	Budget Year For Fiscal Year Program: FY97 for FY98	7 for FY98	
(PROCUREMENT OF ADVANCE DESIGN AND MATERIAL) (TOA. Dollars in Millions)	AND MATERI	AL)	DATE Feb-97			
Weapon System Type (Model/Series No.)	First Syster	First System Award Date	First System Complet	First System Completion Date Interval Between System Compilations	en System (Compilations
F-22 Advanced Tactical Fighter		Jun-99	Nov-01	(Months)	1-2	
Advance Procurement/Advance Funding	Quantity	Quantity Date Contract Awd	Delivery Date of First	Delivery Date of First Production Lead Time	Unit Cost	Total Cost
Items		pour bourse	in how dish-	(Adm/Prod) Actual	(\$M)	(\$M)
DMS & Design for Airframe *	0	Jun-97	Nov-01	53 mts	N/A	78.8
DMS & Design for Engine *	0	Jun-97	Nov-01	53 mts	N/A	2.5
	- 1 - 12 - 12 - 12 - 12 - 12 - 12 - 12					
Total						81.3
NAPPATIVE DESCRIPTION						

NARRATIVE DESCRIPTION

* DMS is abbreviation for Diminishing Manufacturing Sources (out of production parts).

Date Contract Award Planned/Required reflects contract award for Advance Procurement of Lot 1 DMS and Redesign effort. Interval Between System Compilation reflects deliveries for systems purchased using FY99, FY00, and FY01 funding. First System Award Date reflects contract award date for Lot 1.

These funds are currently budgeted to be debited from the Weapon System line in FY99. However, this budget will be realigned FY97 Program Requirements reflect funding to purchase DMS for lots 1-5 and associated DMS redesign activities. to match actual expenditures in a future budget exercise.

Exhibit P-10

WEAPON SYSTEM ADVANCE PROCUREMENT	IENT EXHIBIT P-10	T P-10	Budget Year For Fisc	Budget Year For Fiscal Year Program: FY98 for FY99	8 for FY99	
(PROCUREMENT OF ADVANCE DESIGN AND M (TOA, Dollars In Millions)	IND MATERIAL)	AL)	DATE Feb-97			
Weapon System Type (Model/Series No.) F-22 Advanced Tactical Fighter	First Syster	System Award Date Jun-99	First System Completi Nov-01	First System Completion Date Interval Between System Compilations Nov-01 (Months) 1-2	een System C 1-2	compilations
Advance Procurement/Advance Funding	Quantity	Quantity Date Contract Awd Planned/Required	Delivery Date of First Equip Req'd/Actual	Delivery Date of First Production Lead Time Equip Req'd/Actual In Months Total Req'd (Adm/Prod) Actual	Unit Cost (\$M)	Total Cost (\$M)
DMS & Design for Airframe *	0	96-unf	Nov-01	41 mts	N/A	4.4
DMS & Design for Engine *	0	96-unc	Nov-01	41 mts	N/A	2.1
CFE for Airframe	7	Jun-98	Nov-01	41 mts	37.0	74.0
CFE for Engine	8	36-unf	Nov-01	41 mts	0.5	0.4
Total						80.9
				A CONTRACTOR OF THE PARTY OF TH		

NARRATIVE DESCRIPTION

* DMS is abbreviation for Diminishing Manufacturing Sources (out of production parts).

First System Award Date reflects contract award date for Lot 1.

Interval Between System Compilation reflects deliveries for systems purchased using FY99, FY00, and FY01 funding.

FY98 Budget reflects advanced procurement requirements for two Lot 1 aircraft in FY99. Additionally, DMS for Lots 1-5 (includes part purchase abd redesign activities) as estimated by the Joint Estimate Team (JET) are included here and will be realigned to match actual expenditures in a future budget exercise.

Exhibit P-10

BUDGET ITEM JUSTIFICATION SHEET	Date: Feb 97
APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
AIRCRAFT PROCUREMENT/BA01, COMBAT AIRCRAFT	F-15E TACTICAL FIGHTER

	Prior	Prior FY 1996 FY		FY 1998	1997 FY 1998 FY1999	FY2000	FY 2001	FY 2001 FY 2002 FY 2003	FY 2003	Total
QUANTITY	1083	9	9	3	3	0	0	0	0	1101
COST (IN millions)	23919.5	302.8	275.2	159.0	165.0	0	0	0	0	24821.5
Initial Spares (in M)	1964.7									1964.7
Total (in Millions)	25884.2	302.8	275.2	159.0	165.0					26786.2
Unit Cost (in M)	23.9									24.3

MISSION AND DESCRIPTION:

surface attack mission. Configured with conformal fuel tanks (CFTs), the F-15E can deploy worldwide with minimal tanker support and arrive to meet the urgent requirement for all weather deep penetration and night/under-the-weather air-to-surface attack. It is a two seat aircraft following/terrain avoidance radar; and other improvements necessary to fulfill the deep penetration and night-under-the-weather air-to-air configured with missionized cockpits, low altitude navigation, targeting, and infrared for night (Lantirn) capability; automatic terrain The F-15E (Dual Role Fighter) retains the basic air-to-air capability of the F-15 A-D tactical fighter and adds the systems necessary combat ready.

FY98/99 PROGRAM JUSTIFICATION:

Aircraft procurement is required to replace fleetwide attrition of F-15E aircraft.

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		dget	B. Popular Name	ıme	C. Manufacturer	er	D. Date	
(Pollog is Williams)		Title/No.	F-15E Eagle					
(Dollars in Millions)	Aircraft Proc AF/BA01 Con	Proc			McDonnell Douglas	uglas	Feb-97	
		QTY		QTY		QTY		QTY
	FY96	9	FY97	9	FY98	3	FY99	8
	Chit	Total	Cuit	Total	Cuit	Total	Unit	Total
	Cost	Cost	Cost	Cost	Cost	Cost	Cost	Cost
AIRFRAME/CFE	31.8	190.5	32.4	194.3	37.6	112.8	46.6	139.8
ENGINE/ACCESSORIES	8.8	53.0	8.6	51.8	9.5	27.6	9.5	27.6
AVIONICS: CFE/GFE	1.7	10.2	1.6	9.8	1.7	5.0	1.7	5.1
ARMAMEN I OTHER GFE	1.2	7.1	1.1	6.6	1.	3.4	1.2	3.5
ECO NON-RECURRING COSTS	2.2.3	17.0	7.1	42.3	4.	10.2		
PROGRAM MGT ADMIN REQMTS Subtotal FLYAWAY COSTS	1.3	298.0	50.8	304.8	53.0	159.0	58.7	176.0
AIRFRAME PGSE		3.0						
ENGINE PGSE AVIONICS PGSE								
PECULIAR TRAINING EQUIPMENT PUBLICATIONS/TECH. DATA		8.						
OTHER COSTS		!		18.9				
Subtotal SUPPORT COST		4.8		18.9	,	0.0		0.0
GROSS P-1 COST		302.8		323.7		159.0	44.0	176.0
20 LESS: Prior Yr Adv. Proc		0.0		-48.5		0		-11.0
21 NET P-1 COST		302.8	21 NET P-1 COST 302.8 275.2 159.0	275.2		159.0		165.0

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BUDGET PROCURE	BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT	ING EXHIBIT (P-	(P-5A)					2	Feb-97	
B. APPROPRIATION/BUDGET ACTIVITY	/BUDGET ACTIVITY			C. P-1 ITEM	C. P-1 ITEM NOMENCLATURE	rure				
AIRCRAFT PRO	AIRCRAFT PROCUREMENT, AF/BA01/COMBAT AIRCRAFT	T AIRCRAFT			F-15E					
COST ELEMENT/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	ΔΤΥ	UNIT	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
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FY96 FV97	McDonnell Douglas	7 F F G	ASC/VFK ASC/VFK	DEC 96 FFB 97	JAN 99 APR 99	တ ထ	49.7	YES	YES	ONGOING
FY98 FY99	McDonnell Douglas McDonnell Douglas	H H G G	ASC/VFK ASC/VFK	86 AON 86 AON	JUL 99 MAY 00	. m m	53.0	YES	YES	ONGOING
PROPULSION										
FY96 FY97 FY98	Pratt & Whitney Pratt & Whitney	C/OPTION C/OPTION	ASC/VFK ASC/VFK ASC/VFK	NOV 96 FEB 97	JUL 98 AUG 98 MAR 99	5 5 c	8 8 6 c	YES YES YES	YES	ONGOING
FY99	Pratt & Whitney	C/OPTION	ASCIVEK	NOV 98	JAN 00	9	9.5	YES	YES	ONGOING

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BUDGET ITEM JUSTIFICATION SHEET	Date: Feb 97
APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
AIRCRAFT PROCUREMENT (ADV BUY) /BA01, COMBAT AIRCRAFT	F-15E TACTICAL FIGHTER

	Prior	FY 1996	FY 1997	1997 FY 1998 FY 1999	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	Total
QUANTITY										
COST (IN millions)	1759.7	48.5		11.0						1819.2

MISSION AND DESCRIPTION:

surface attack mission. Configured with conformal fuel tanks (CFTs), the F-15E can deploy worldwide with minimal tanker support and arrive to meet the urgent requirement for all weather deep penetration and night/under-the-weather air-to-surface attack. It is a two seat aircraft following/terrain avoidance radar; and other improvements necessary to fulfill the deep penetration and night-under-the-weather air-to-air configured with missionized cockpits, low altitude navigation, targeting, and infrared for night (Lantirn) capability; automatic terrain The F-15E (Dual Role Fighter) retains the basic air-to-air capability of the F-15 A-D tactical fighter and adds the systems necessary combat ready.

FY98 PROGRAM JUSTIFICATION:

The advanced buy funding identified is for long lead procurement of those items detailed on the P-10.

UNCLASSIFIED

EXHIBIT P.40



WEATON STOLEN ADVANCE TROCONEMENT		EXHIBIT P-10		t Year		FY96 for FY97	
(PROCUREMENT OF ADVANCE DESIGN AND (TOA, Dollars in Millions)	ND MAIERIAL)	AL)		DAIE Feb-97			
Weapon System Type (Model/Series No.) F-15E	First Syster Dec-96	First System Award Date Dec-96	0	First System Completion Date Apr-99	ion Date Interval Between System Compilations (Months)	een System 1	Compilations
Advance Procurement/Advance Funding	Quantity	Date Contract Awd	ct Awd	Delivery Date of First	Delivery Date of First Production Lead Time	Unit Cost	Total Cost
tome		Required/Actual	tual	Equip Req'd/Actual	In Months Total Reg'd	(CRA)	/CRAN
Hellis 4 DEE:					- 1	(AIVI)	(MIC)
CET Doors	•	Mayor	Son OR	May-08	7.0		00
ICS (Groin A)	.		Septon	May-98	32		9.0 R
Radar (Hinhes APG-70)	· «		Sep-96		8 8		14.5
AFCS	· · ·		Sep-96		34		4
PACS	9		Sep-96		32		1.0
ALR-56C-RWR	9		Sep-96		33		1.8
CSBPC	9		Sep-96		31		1.2
Fuel Pump	9		Sep-96		32		0.1
Landing Gear	9		Sep-96		29		1.3
Miscellaneous Equipment		Sep-96	Sep-96		33		13.5
2. CFE SUBTOTAL					:		45.4
3. GFE		1					
Programmer Electronic	ဖ	May-96	Jul-96	36-Inc	28		0.1
RT Processor	ဖ	May-96	Jul-96	Jul-98	26		0.4
Rec/Trans TACAN	9	May-96	Sep-96	Jul-98	20		0.1
Rec/Trans APX 101	9	May-96	Feb-97	Jul-98	23		0.2
MPDP	9	May-96	36-Inc	Jul-98	25		1.0
VHSIC	9	May-96	Nov-96	Jul-98	20		0.7
MISCELLANEOUS		Aug-96	Nov-96	*	*		9.0
4. GFE SUBTOTAL							3.1
S TOTAL							18 5

NARRATIVE DESCRIPTION

* All miscellaneous purchasing was based upon the longest production lead time. Quantities and delivery dates vary for each individual component. The total cost is based upon the sum of all of the respective components.

TENT OF ADVANCE DESIGN AN TOA, Dollars In Millions)	D MATERIAL					
		AL)	DAIE rep-9/			
	irst Systen Nov-97	First System Award Date Nov-97	First System Completion Date May-00	ion Date Interval Between System Compilations (Months)	sen System C	compilations
Advance Procurement/Advance Funding Items	Quantity	Date Contract Awd Required/Actual	Delivery Date of First Equip Req'd/Actual	Productio In Months	Unit Cost	Total Cost
1. CFE:				(אחווור וטע) אכוומו	(MIC)	(MIC)
Fit Control Computer	3	Nov-97	Jul-99	31	0.4	1.2
ALR-56C	8	Nov-97	66-Inc	32	0.0	1.7
Digital Map System	က	Nov-97	Jul-99	33	0.3	0.8
Landing Gear	n	Nov-97	96-Jnf	29	0.3	1.0
Raw Materials	က	Nov-97	*	*	1.2	3.6
2. CFE SUBTOTAL						8.3
3. GFE Programmer Electronic		Nov 07		ç		
RT Processor	0 6	Nov-97	Sep-00	200		0.0
Rec/Trans TACAN) m	76-70N	Sep-dec	200	- 0	0.3
MPDP	"	Nov-97	Sep-dec	02	0.0	0.1
CIGHA	0 0	No. 07	66-120	62	0.0	0.0
MISSELLANIEDLIS	9	/6-you	Sep-99	20	0.3	6.0
A DEF CIBTOTAL		/6-AON	¥	*		0.2
+: GESOBIOIAL						2.7
5. TOTAL						11.0
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Exhibit P-10

SHEET Date: Feb 97	P-1 ITEM NOMENCLATURE	F-16 TACTICAL FIGHTER
BUDGET ITEM JUSTIFICATION SHEET	APPROPRIATION/BUDGET ACTIVITY	AIRCRAFT PROCUREMENT/BA01, COMBAT AIRCRAFT

	J	TOO 1 400	TO 4 7 VOTE	2000						
	rrior	FX 1996	FY 1997	FY 1998	FY 1999	FY 2000	FV 2001	1997 FY 1998 FY 1999 FY 2000 FV 2001 FV 2002 FV 2003	FV 2003	Total
QUANTITY	2201	9	9					2002	2007 7.7	
COST (IN millions)	102005	1571	1540							C177
CODI (III IIIIIIIII)	74430.4	1./61	124.8							325703
Initial Spares (in M)	78307	7.0								54310.3
	2000	(:;								2838.6
Total (in Millions)	35089.1	165.1	154.8							254000
Ilait Cost Car NO	0 1	2 000								33400.9
Office Cost (III IM)	15.9	27.5	25.8							160
										0.01

MISSION AND DESCRIPTION:

speed range, incorporated advanced technology features to enhance its combat capability while minimizing its acquisition, operating, and support The F-16 Multi-mission Fighter is a single seat, fixed wing, high performance, single engine fighter aircraft. The design, optimized for 0.8 Mach surface and air-to-air missiles, and approximately 11,000 pounds of conventional and guided air-to-surface ordinance. The F-16 will replace the costs. The advanced technology features include a high visibility, high "g" cockpit. The F-16 armament consists of 20MM cannon, air-to-F-4s in the active inventory as well as modernize the reserve forces.

FY98/99 PROGRAM JUSTIFICATION:

N/A

SORIES AGECOSTS TADMIN REQMTS AI FLYAWAY COSTS AI FLYAWAY COSTS AI FLYAWAY COSTS AI FLYAWAY COSTS AI FLYAWAY COSTS AI FLYAWAY COSTS AI FLYAWAY COSTS AI FLYAWAY COSTS AI FLYAWAY COSTS AI FLYAWAY COSTS AI FLYAWAY COSTS AI FLYAWAY COSTS AI FLYAWAY COSTS AI FLYAWAY COSTS AI FLYAWAY COSTS AI FLYAWAY COSTS AI FLYAWAY COSTS AI FLYAWAY FOOC	AIRCRAFT COST ANALYSIS	A. Appn/Budget	dget	B. Popular Name	ame	C. Manufacturer	эe	D. Date	
Free color Fre	(Dollars in Millions)		e/No.	F-16 Fighting	Falcon				
FY96 GYPY COSTS COSTS	(Donals III Williams)		c ombat Acft			Lockheed Ft W	orth Co.	Feb-97	
T190 T191		007	QTY		QTY		QTY		QTY
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COSTS COST COST COST COST COST COST		<u> </u>		Cuit	Total	Unit	Total		Total
PEE 12. 67.2 12.7 76.1 0.0 0.0 0.0 FE 28 17.0 2.9 17.4 0.0 COSTS COST		Cost	Cost	Cost	Cost	Cost	Cost	Cost	Cost
PRESS 4.1 24.6 4.2 25.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	AIRTRAME/CFE	11.2		12.7	76.1	0.0		00	7000
COSTS	ENGINE/ACCESSORIES	4.	24.6	4.2	25.2	0.0		0.0	
COSTS CO	AVIONICS: CFE/GFE	2.8	17.0	2.9	17.4	0.0		000	
COSTS 0.5 3.1 0.6 4.8 0.8 4.8 0.6 3.6 0.0 0.0 0.0 0.0 0.0 0.0	AKMAMENT OTIME OTH	0.8	5.0	1.4	8.4			?	
COSTS COST		2.3	13.7	1.6	9.4	0.0		0.0	
COSTS 0.5 3.1 0.6 4.8 0.6 3.6 0.0 0.0 0.0 DMIN REQMTS FLYAWAY COSTS 24.2 145.4 25.0 140.0 1.2 7.4 25.0 150.0 0.0 0.0 0.0 0.0 0.0 0.0	CO	1							
DMIN REQMTS LYAWAY COSTS 24.2	NON BEGIND COTO	0.5	3.1	4.0	2.5	0.0		0.0	
DMIN REQMTS 1.7 10.0 1.2 7.4 FLYAWAY COSTS 24.2 145.4 25.0 150.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	OTHER COSTS	0.8	4.8	9.0	3.6	0.0		0.0	
NG EQUIPMENT 15 1.2 CONTRACTS) ODUCTION SUPPORT COST Adv. Proc LLYAWAY COSTS 24.2 145.4 25.0 150.0 0.0 0.0 0.0 0.0 0.0 0.0	OLDER COOLS	1.7	10.0	1.2	7.4				
NG EQUIPMENT 1.5 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2	PROGRAM MGI ADMIN REOMTS						Ī		
NG EQUIPMENT 1.5 3.6 CONTRACTS) 3.0 ODUCTION SUPPORT) UPPORT COST Adv. Proc 157.1 154.8 0.0 0.0 0.0 0.0 0.0	Subtotal FLYAWAY COSTS	24.2	145.4	25.0	150.0	0.0	0.0	0.0	0.0
NG EQUIPMENT T.5 SCH. DATA T.2 3.6 T CONTRACTS) SODUCTION SUPPORT) UPPORT COST 11.7 Adv. Proc 157.1 154.8 0.0 0.0 0.0 0.0 0.0 0.0	AIRFRAME PGSE								
NG EQUIPMENT 7.2 3.6 F.CH. DATA T.C. 3.0 SOUCTION SUPPORT) UPPORT COST Adv. Proc 1.5 3.0 1.2 3.6 3.0 0.0 1.2 3.0 4.8 0.0 0.0 0.0 0.0 0.0 0.0 0	ENGINE PGSE								
NG EQUIPMENT T.2 3.6 F.C. DATA T.2 3.6 F.CONTRACTS) ODUCTION SUPPORT) UPPORT COST 11.7 Adv. Proc Adv. Proc 157.1 154.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0	AVIONICS PGSE								
ECH. DATA 3.6 F. CONTRACTS) ODUCTION SUPPORT) UPPORT COST 11.7 Adv. Proc Adv. Proc 157.1 154.8 0.0 0.0 0.0 0.0 0.0 0.0	PECULIAR TRAINING EQUIPMENT		3.		12				
CONTRACTS) 3.0 4.8 0.0	PUBLICATIONS/TECH, DATA		7.2		3.0				
CONTRACTS 3.0 4.8 0.0 0.0 0.0	OTHER (ICS)								
OUNCTION SUPPORT) 4.8 0.0	OTHER (SUPPORT CONTRACTS)		3.0						
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Adv. Proc 157.1 154.8 0.0 0.0 0.0 157.1 154.8 0.0 0.0	Subtotal SUPPORT COST		11.7		4.8	<u> </u>	0.0		0.0
Adv. Proc 0 0 0.0 0.0	GROSS P-1 COST		157.1		154.8	0.0	0	C	c
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	21 NET P-1 COST		157.1		154.8		0 0		c
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Trocumentobacker	C. P-1 item Nomenclature C. P-1 item Nomenclature F-16	BUDGET PROCUREMENT FY97 Defense Budget Submission	BUDGE I PROCUREMENI HISTORY AND PLANNING EXHIBIT (P-5A) fense Budget Submission	AND PLANNING EX	HBIT (P-5A)	A. DATE	Feb-97					
Trochendenty-off, Contract Method Contract M	Contracted Contract width Contract	B. Appropriation/Bi	udget Activity	3	. P-1 Item Nomen	clature						
Specs Spec	Confractor	Arcraft Procuremen	VBAU1, Combat Aircraft		F-16							
Lockheed, Ft Worth, TX FFP ASC/YP May-96 Jan-99 6 11.2 Yes Lockheed, Ft Worth, TX FFP ASC/YP Jun-97 Jan-00 6 12.7 Yes ULSION GE SS FP ASC/LP Jun-97 Jul-97 6 4.1 Yes GE SS FP ASC/LP Jun-97 Jul-98 6 4.2 Yes	Lockheed, Fl Worth, TX FFP ASC/YP Jun-67 Jan-99 6 11.2 Ves ASC/YP Jun-67 Jun-67 Jun-67 6 4.1 Ves ASC/YP Jun-67 Jun-67 6 4.2 Ves ASC/YP Jun-67 Jun-67 6 4.2 Ves ASC/YP Jun-67 Jun-67 6 4.2 Ves ASC/YP Jun-67 Jun-67 6 4.2 Ves ASC/YP Jun-67 Jun-67 Jun-67 ASC/YP Jun-67 Jun-67 ASC/YP Jun-67 Jun-67 ASC/YP Jun-67 Jun-67 ASC/YP ASC/YP Jun-67 ASC/YP Jun-67 ASC/YP ASC/YP Jun-67 ASC/YP ASC/YP Jun-67 ASC/YP ASC/YP Jun-67 ASC/YP ASC/YP Jun-67 ASC/YP ASC/YP Jun-67 ASC/YP ASC/YP Jun-67 ASC/YP ASC/YP Jun-67 ASC/YP	Sost Elements iscal Year	Contractor and Location	Contract Method & Type	Contracted By	Award Date	Date of First Delivery	Quantity	(\$M)		Specs REV REQ'D	If Yes, when Available
Lockheed, Ft Worth, TX FFP ASC/YP May-96 Jan-99 6 112 Yes Lockheed, Ft Worth, TX FFP ASC/YP Jun-97 Jan-09 6 12.7 Yes ULSION GE SS FP ASC/LP Jun-97 Jul-98 6 4.1 Yes GE SS FP ASC/LP Jun-97 Jul-98 6 4.2 Yes	Lockheed, Fl Worth, TX FFP ASC/YP May-96 Jan-90 6 112 Yes	IRFRAME										
GE SS FP ASO/LP Jun-96 Jul-97 6 4.1 Yes GE SS FP ASO/LP Jun-97 Jul-98 6 4.2 Yes	GE SS FP ASCILP Jun-97 Jul-97 6 4.1 Yes ASCILP Jun-97 Jul-98 6 4.2 Yes ASCILP AMARKS:	797 797	Lockheed, Ft Worth, TX Lockheed, Ft Worth, TX	11 11	ASCAP	May-96 Jun-97	Jan-99 Jan-00	9 9		Yes	<u> </u>	
GE SS FP ASG/LP Jun-96 Jul-97 6 4.1 Yes GE SS FP ASG/LP Jun-97 Jul-98 6 4.2 Yes	GE SS FP ASCAP Jun-97 Jul-98 6 4.2 Yes MARKS: UNCLASSIFIED	ROPULSION										
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P-1 ITEM NOMENCLATURE F-16 AIRFRAME	FISCAL YEAR 99	CALEN	JFMA	E A E	2 2 2 3 3 3		1 1 1				2	4 4 4 4 4 4 4		-	2 2 2 2 2 2 2	2 3 2 3 2 3 2			Д (В (\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	RATE RC	1-8-5 MA HD	₫	9 27 TBD		E	REORDER
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FY98/99 PRESIDENTS BUDGE	,	S	Ш	Item/Man R		FY94 Buy AF	FY96 Buy AF	FY97 Buy AF		Thailand	Singapore	Taiwan	Greece	Egypt	Turkey	KFP					MANUFACTURER'S NAME AND	LOCATION		LOCKHEED FORT WORTH CO	FORTH WORTH, TX		

P-1 SHOPPING LIST

BUDGET ITEM JUSTIFICATION SHEET	Date: Feb 97
APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
AIRCRAFT PROCUREMENT/BA02, AIRLIFT AIRCRAFT	C-17

	FY96/	FY96/ FY 1997 FY1	FY1998	FY1999	FY 2000	FY 2001 FY 2002	FY 2002	FY 2003	To Comp	Total
	Prior									
QUANTITY	40	8	6	13	15	15	15	5	0	120
COST (In Millions)	12291.6	1900.7	1923.3	2657.1	2931.6	2917.4	2952.0	1203.0		28963.5
Initial Spares (in M)	8.709	4.4	8.88	121.6	197.5	238.2	217.9	216.6	345.5	2033.3
Total (In Millions)	12894.4	1905.1	2012.0	2778.7	3129.1	3155.6	3169.6	1419.6	532.3	30996.8
Unit Cost (in M)	307.3	237.6	213.7	204.4	195.4	194.5	196.8	240.6	0	241.4

MISSION AND DESCRIPTION:

Develops and procures C-17 airlift aircraft which will provide needed airlift capability to meet both strategic (long range) and tactical (theater) requirements of theater CINCS. Provides intratheater outsize/airdrop capability not available now. Will provide force modernization and requirements. Allows rapid and timely inter and intratheater deployment, employment, and resupply of combat forces to meet mobility replace lost capability of retiring C-141 aircraft.

FY 98 PROGRAM JUSTIFICATION:

Funding will provide for procurement of nine aircraft. Reflects the multi-year procurement acquisition strategy.

FY 99 PROGRAM JUSTIFICATION:

Funding will provide for procurement of thirteen aircraft. Reflects the multi-year procurement acquisition strategy.

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5) FY98 PRESIDENT'S BUDGET	Appropriation/Budget Activity Title/No. 3010/10C17A		B. Weapor Name	B. Wedpon Model/Series/ Popular Name C-17A	ies/ Popular		C. Manufacturer Name Plant Clty/State location McDonnell Douglas Long Beach, CA	D. Date	27 JAN 97
Weapon System Cost Elements	Ident. Code	FY96 Unit Cost	8 Tot, Cost	FY97 Unit Cost	8 Tot. Cost	FV98 Unit Cost	9 Tot. Cost	FY99 Unit Cost	13 Tot. Cost
1 AIRFRAME 2 ENGINE (MODEL F-100-PW-100)	∢	227.9	18	51	1594.4 156.3	19	71	71	22 27
3 AVIONICS 4 ECO	•	8.2 0.5			63.7		V -		
5 PRODUCT IMPROVEMENT 6 NON-RECURRING FLYAWAY 7 SETTI EMENT	∢ <	6.4.C	84.6 1.1.	2.6	20.7	6.0.0	2.8	6 4.6	60.0
8 FLYAWAY COSTS	(262.7	210	23	1850.3	52	200	8	270
9 PECULIAR SUPPORT EQUIPMENT 10 COMMON SUPPORT EQUIP	4 4		7.1		36,9	0.5	6.9	21.0	15.8
11 TRAINING 12 DATA	4 4		47.6		85.3	<u> </u>	4.6	9	50.0
13 FIELD SUPPORT/ICS 14 DEPOT INVESTMENT TOTAL	< ∢ ∢		200.7		49.3		123.2	00	134.0
15 MISSION SUPPORT 16 SUPPORT COST			22.2 294.2		16.5 302.4	10 ***	18.7	2	18.1 282.8
17 GROSS P-1 COST		262.7	2395.4	231.3	2152.7	223.0	0 2169.0	0 207.8	8 2984.4
18 LESS: Prior Year Adv Proc EOQ Payback	∢		-188.6		-221.8 -30.0		-211.8	& C	-278.2
19 NET P-1 COST		262.7	2206.8	231.3	1900.9	223.0	0 1923.3	3 207.8	8 2657.3
20 ADVANCE PROCUREMENT, CURRENT YEAR EOQ	∢		221.8 57.0		211.8		278.2	2	303.5
21 OTHER NON P-1 WEAPON SYS COSTS INITIAL SPARES MODS	44		80.0 20.8		5.0		89.2 59.1	- 2	122.1
33 TOTAL CHEN VEAD		262.7	2586.4	231.3	2159.6	223.0	0 2349.8	8 207.8	8 3125.8

)			(20-1)	7.07.	04-09-10					
B. Appropriation/Budget Activity AIRCRAFT PROCUREMENT/BAO2/	B. Appropriation/Budget Activity AIRCRAFT PROCUREMENT/BAO2/AIRLIFT	C. P-1	I Item Nomenclature C-17A	afure						
Cost Elements Fiscal Year	Contractor and Location	Contract Method & Type	Contracted By	Award Date	Date of First Delivery	Quantity Unit		Specs Specs Avallable Now REQ'D	Specs REV REQ'D	If Yes, when Avallable
AIR VEHICLE									6	
9	McDonnell Douglas	H.	AFMC/ASC	Feb-96		00	236.6			
FY97	McDonnell Douglas	H.	AFMC/ASC	Dec-96	96-unf		207.3			
8	McDonnell Douglas	#	AFMC/ASC	Dec-97	May-99	0	202,5			
Φ.	McDonnell Douglas	<u>유</u>	AFMC/ASC	Dec-98		13	182.4			
PROPULSION										
9	Pratt & Whitney	FFP	AFMC/ASC	Feb-96		80	20.5			
FY97	Pratt & Whitney	FFP	AFMC/ASC	Jan-97			19.5			
8	Pratt & Whitney	FFP	AFMC/ASC	Feb-98		٥	19.8			
6	Pratt & Whitney	FFP	AFMC/ASC	Feb-99	Nov-99	_	20.0			
									····	

REMARKS:

- -- Engine Unit Cost are per shipset of 4 engines --Air Vehicle unit cost is total of Air Vehicle, Avionics (CFE and GFE), Other GFE, and ECO unit costs

EXHIBIT P-5A Procurement History and Planning

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		Ы	PRODUCTION RATES	NRATE	S	RC		PROCUREMENT LEAD TIME	MEN	LEAL	TIME							FIE	REMARKS	3KS																			1
MANUFACTURER'S NAME AND LOCATION	ATTON		MINIMUM 1-8-5 SUST.	1-8-5	MAX	且古				ADM LEAD	ADM LEAD TIME	40				70	TOTAL																						
McDonnell Douglas			9	80	8 15	~				PRIOR		PRIOR		2	MFG	28	***	_																					
3855 Lakewood Blvd							-			***		****		F	ME	-		_																					
Long Beach CA 90846					_	-	TINI					4		-534	32	+																							
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SIMULATOR AND TRAINING DEVICE JUSTIFI	R AND TRAI	INING DE	VICE JUSTII	FICATION (\$000)	(\$000)				DATE	70 cm 70		
Appropriation/P-1 Line Item	tion/P-1 Lin	e Item	Weapon	System(If A	Weapon System(If Applicable Equipment Nomenclature	Equipmen	t Nomenc	lature		-	PE	
PROD 3010			C-17 TRAIN	NERS (ATS & MTD)	& MTD)						700118	
Fin Plan	FY94/P	FY95	FY96	FY97	FY98	FY99	FY00	FY01	FY02	C	Total	Т
Quantity	4	0	2		0	2	0	0	0	C	0	Т
Proc	175200	20300	47600	85300	4600	20000	7400	4100	12600	4100	411200	Т
KDI &F	200400	0	0	0	0	0	0	0	0		200400	
TRAINING SYSTEM DESCRIPTION	YSTEM DE	SCRIPTIO	z	ATS								1
recovers in interfact and continuous training for C-17 aircrew members. Training will be totally contractor administered and supported, with AMC evaluating the final product, a fully qualified member. The training system will be developed	d, with AMC	ous training evaluating	g for C-17 airc the final prod	rew membe luct, a fully a	rs. Training w ualified memi	ill be totally c ber. The train	ontractor adi	ministered ill be develor	pec			
concurrently with the aircraft development and production. The Aircrew Training System (ATS) consists of:	with the aircre	aff develop	ment and pro	oduction. Th	e Aircrew Trai	ning System (.	ATS) consists	of:				
weapon system trainers (Wols), Computer Based Irainers (CBIS), Loadmaster Stations (LSs), Cargo Compartment Trainers (CCTs) and Cockpit Systems Simulators (CCSs). The blend or mix of the components depend on the base or schoolhouse they are being delivered to. The bases are: Charleston AFB, Altus AFB, McChord AFB.	systems Simulivered to. The	rais), compators (CCSs) bases are	ourer based II s). The blend t; Charleston /	rainers (CBIs) or mix of the 4FB, Altus AFI), Loadmaster components 3 , McChord A	r Stations (L.Ss.) depend on t AFB.), Cargo Corr he base or sc	partment Trc choolhouse th	iners (CCTs)			
The system is designed to reduce the maintenance training level to the lower skill levels.	designed to re	aduce the r	maintenance	fraining leve	I to the lower	skill levels.						
The system will employ accessibility, repairability, and interchangeability features, integration will be with the aircraft development and production.	l employ acc	sessibility, re production	spairability, ar	nd interchan	geability feati	ures. Integrati	ion will be wit	h the				
			_									
			3	Γ								
			P-1 Shopping List Item No.		Page No. EXHIBIT P-43 Simulator &	EXHIBIT P-43 Simulator & Training Device Justification	3 k Training E	Jevice Jus	tification			
					-							

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SIMULAT	OR AND TRAININ	G DEVICE	SIMULATOR AND TRAINING DEVICE JUSTIFICATION (Page 2) (\$000)	ge 2) (\$000)			DATE	27-Jan-97						
Appropriation/ P-1 Line Item	lation/ · tem	Weapon System	System		Equipment Nomenclature	ure		PE						
	3010		<u>-</u>	Jan-95					41130F					
Device	Site	Delivery		Average Studen	ı	ears		FY96		FY97	FY98	98		FY99
and A		Dale	Iraining Date	Ihroughput	ρ	Cost	Øţ	Cost	Qty	Cost		Ĭ	Qty	Cost
MTD	Charleston AJFB	_8_				30497								
		****				*								
ATS						-								
wsţ	Charleston AFB				_	29104				•••				CANEO
wst	Alfus AFB				2	58208		15700		10800				00747
wst	McChord AFB							19210						24250
Concurre	Concurrency and Software	are				17691		12690		92200		4600		1500
				TOTAL	4	195500	2	47600	_	85300	0	4600	2	
			P-1 Shopping List		Item No.		Page No.		EXHIBIT P-43	43				
							2							

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Section Continued Contin				000000	(anna)			DATE	•		25	25-Jan-97			
Interfection Inte	Irdining Device by Type	C-17 TRA	NERS			>	Veapon S	stem (If Appli	(cable)						
The continuous training to C-17 discrews. The continuous training to C-17 discrews. The cleaves received to C-17 discrews received to C-17 discrews received to C-17 discrews received to C-17 discrews received to C-17 discrews received to C-17 discrews received to C-17 discrews received to C-17 discrews received to C-17 discrews received to C-17 discrews received to C-17 discrews received to C-17 discrews received to C-17 discrews received to C-17 discrews received to C-17 discrews received to C-17 discrews received to	escription/Justification							200	Z NE						
Cost to Complete Total C	VIS: Provides initial and con IID: Procures the devices r	ntinuous tra	alning to C	-17 aircrev the maint	vs. enance m	annina le	evel and tr	alpha to the	Dweet lev	ā					
COSTS CONTINUENCIAL CONTINUEN	Financial Plan	Prior	Years	FYS	92	FYS	16	FY98	15000	FY99	Ö	st to Co	mplete	Total	Coet
Updates		Q _t	Cost	Qfy	Cost	Qfy	Cost	200	ā	-	+	3	Digital Property of the Proper	2 4	3
Wordres	ARDWARE COSTS								5	+	\perp	à	3	à	800
Fig. 195500 47600 85300 4600 50000 28200	Pevice (Hardware) Concurrency Updates Ionrecurring FE Thereof	4		N	34910	_	19800		0004		2200	0	28200	6	221019
Glatics Supt. 0 0 0 0 0 0 0 0 0 28200 P-1 Shopping List Hem No.	otal Hardware Costs		195500		47600		85300		4600	B	000		28200		411200
Gistics Supt. 0 0 0 0 0 0 0 0 0 0 0 0 EXHIBIT P-43	JPPORT COSTS														
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	pectal SE tegrated Logistics Supt.														
195500 1	mer(speciry)		0												0
195500 47600 85300 4600 50000 28200 EXHIBIT P-43	tal Support Costs		0		0	1	0		0		0		0		
P-1 Shopping List Ifem No. 4500 4600 50000 28200	JIAL COSTS								•						0
			195500	-	47600		85300	7	1600	28	8		28200	1	411200
DAGGE ON GOOD STATE OF THE PROPERTY OF THE PRO					2-1 Shoppil	ng List Ite		oN eD	er,			m	XHIBIT P-48	မ	

APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
AIRCRAFT PROCUREMENT (ADV BUY) /BA02, AIRLIFT AIRCRAFT	C-17

	Prior	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	Y 1997 FY 1998 FY 1999 FY 2000 FY 2001	FY 2002	FV 2003	Total
OTTANTITION		0								Tana
COAINIII I	40	∞	6	13	15	15	15	5	C	120
יווי דער שמסט		0 , 00								071
COST (IN millions)	1219.7	221.8	211.8	278.2	303.5	304.9	307.8	104.7	0	2052 4

MISSION AND DESCRIPTION:

Develops and procures C-17 airlift aircraft which will provide needed airlift capability to meet both strategic (long range) and tactical (theater) requirements of theater CINCS. Provides intratheater outsize/airdrop capability not available now. Will provide force modernization and requirements. Allows rapid and timely inter and intratheater deployment, employment, and resupply of combat forces to meet mobility replace lost capability of retiring C-141 aircraft.

FY 98 PROGRAM JUSTIFICATION:

Funding will provide for the advance procurement of fifteen aircraft in FY99. Reflects the multi-year procurement acquisition strategy.

FY 99 PROGRAM JUSTIFICATION:

Funding will provide for the advance procurement of fifteen aircraft in FY 00. Reflects the multi-year procurement acquisition strategy.

Weapon System Type (Model/Series No.) First System Award Date				DATE 6-Feb-97		
C-17A	rst System		First System Completion Date Aug-98	Date Interval Between System Completions	Completions	
Advance Procurement/Advance Funding Quantity Date Contract Award Delivery Date of First	Suantity C	Date Contract Award Required/Actual	Delivery Date of First Equip. Required/Actua	Delivery Date of First Production Lead Time Equip. Required/Actualin Months Total Requested (ADM/Prod.) Actual (ADM/Prod.)	Total Cost Requested (\$ in Millions)	Total Cost Actual Requested Contract Cost (\$ in Millions) (\$ in Millions)
(t)	(2)	(3)	(4)	. (9)	9	6
1. AIRCRAFT CFE	80	May-96	94-unr			209.2
2. AIRCRAFT GFE						12.6
3. SUBTOTAL	0					221.8
4, EOQ(MYP)	0				0	57.0
	(:	

-- FY96 advanced buy was awarded for the FY97 - Lot IX procurement of 8 aircraft.
-- PA1 is the first aircraft of this lot buy; the scheduled delivery is Jun 98.
-- Award and delivery dates are not given for Aircraft GFE as these requirements are awarded on multiple contracts through the ALCs.
-- FY96 portion of EOQ to support the 7-year Multiyear Procurement strategy. The total EOQ was \$300M (FY94--\$144.5M, FY95--\$98.5M).

Exhibit P-10A2 Advance Procurement Execution/Request Comparison

Exhibit P-10A Advance Procurement Execution/Request Comparison

WEAPON SYSTEM ADVANCE PROCUREMENT EXHIBIT P-10A	AENT EXHIB	I P-10A		Current Year for Fiscal Year Program FV97	ram FY97	
(COMPARISON OF REQUEST TO EXECUTIONS)	(SNO)			DATE 6-Feb-97		
Weapon System Type (Model/Series No First System Award Date C-17A	First Syster	n Award Date Jan-97	First System Completion Date Aug-99	n Date Interval Between System Completions	em Completions	
Advance Procurement/Advance Fundil Quantity Date Contract Award Delivery Date of First Items	Quantity	Date Contract Award Required/Actual	Dellvery Date of Flist Equip. Required/Actuc	Delivery Date of First Production Lead Time Equip. Required/Actuclin Months Total Requested (ADM/Prod) Actual (ADM/Prod)	Total Cost Requested	Actual Contract Cost
(1)	(2)	(3)	(4)	(5)	9	6
1. AIRCRAFT CFE	6	Dec-96	May-99		198.8	198.8
2. AIRCRAFT GFE					13.0	13.0
3. SUBTOTAL					211.8	211.8
4, EOQ(MYP)	0				0.0	0.0
5. TOTAL	0				211.8	211.8
- FY97 advanced buy was awarded for the FY98 - Lot X procurement of 9 alroraft. Dato to the first alroraft of this lot buy: the school and delivery is May 00	warded for	The FY98 - Lot X procu	urement of 9 alreraft.			
Award and delivery dates c	are not giv	en for Aircraft GFE as 1	hese requirements are	regy is fine first all claims for bug, the socied and regionally 7.7. Award and delivery dates are not given for Aircraft GFE as these requirements are awarded on multiple contracts through the ALCs.	hrough the ALC	ó

				budget year tor riscal year Program 1498	OCICIE LYYS	
(Procurement of Advance Design and Material)	terlal)			DATE 6-Feb-97		
(10A, Dollats In Inousanas) Weapon System Type (Model/Series No.)	First Syster	First System Award Date	First System Completion Date	Date Interval Between System Completions (Months)	stem Completions	s (Months)
C-17A	Jan-98		Aug-00			
Advance Procurement/Advance Funding Items		Quantity Date Contract Award Planned/Required	Delivery Date of First Equipment Required	Production Lead Time In Months(Adm/Prod)-Total	Unit Cost	Total Cost
(1)	(2)	(3)	(4)	(5)	9)	6
1. AIRCRAFT CFE	13	Dec-97	Jun-00			263.1
2. AIRCRAFT GFE						15.1
3. SUBTOTAL	0					278.2
4. EOQ(MYP)	0					0
					W-0-7-7	
5. TOTAL	13					278.2
FY98 advanced buy k P58 Is the flist alroraft	ls planned 1 of this lot b	FY98 advanced buy is planned for awarded for the FY99 - Lot XI pro P58 is the first aircraft of this lot buy; the scheduled delivery is Jun 00.	FY98 advanced buy is planned for awarded for the FY99 - Lot XI procurement of 13 alrcraft, P58 is the first alrcraft of this lot buy; the scheduled delivery is Jun 00.	13 aircraff.		
Award and delivery a	dates are n	ot given for Aircraft GFE	as these requirements a	Award and delivery dates are not given for Alrcraft GFE as these requirements are awarded on multiple contracts through the ALCs.	cts through the A	LCs.

(Procurement of Advance Design and Material)	terial)		DATE 6-Feb-97	133	
Weapon System Type (Model/Serles No.) C-17A	First System Award Date Jan-99	First System Completion Date Aug-01	Date Interval Between System Completions (Months)	stem Completions	s (Months)
Advance Procurement/Advance Funding Quantity Date Contract Award Delivery Date of First Items Equipment Required	Quantity Date Contract Award Planned/Required	d Delivery Date of First Equipment Required	Production Lead Time In Months(Adm/Prod)-Total	Unit Cost	Total Cost
(E)	(2)	(4)	(5)	(9)	6
1. AIRCRAFT CFE	15 Dec-98	Jul-01			281.1
2. AIRCRAFT GFE					22,4
3. SUBTOTAL	0			- 10.0	303.5
4. EOQ(MYP)					0.0
					-/
5, TOTAL	15				303,5

-- FY99 advanced buy is planned for awarded for the FY00 - Lot XII procurement of 15 alrcraft. -- P71 is the first alrcraft of this lot buy; the scheduled delivery is Jul 01. -- Award and delivery dates are not given for Alrcraft GFE as these requirements are awarded on multiple contracts through the ALCs.

Exhibit P-10B Weapon System Advance Procurement Analysis/Justification

BUDGET ITEM JUSTIFICATION SHEET	Date: Feb 97
APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
AIRCRAFT PROCUREMENT/BA02, OTHER AIRLIFT	EC-130J

	FY 1996	FY 1996 FY 1997 FY1998	FY1998	FY1999	FY1999 FY 2000 FY 2001 FY 2002	FY 2001	FY 2002	FY 2003 To Comp	To Comp	Total
QUANTITY		-								
COST (In Millions)		70.4	0	0	0	0	0	0	0	70.4
Initial Spares (in M)		0	0	0	0	0	0	0	0	0
Total (In Millions)		70.4	0	0	0	0	0	0	0	70.4
Unit Cost (in M)										

MISSION AND DESCRIPTION: The EC-130J will replace the current fleet of the EC-130E aircraft. The EC-130 fleet currently consists of eight EC-130E aircraft assigned to the 93rd Special Operations Wing at Harrisburg, PA. The 193rd SOW conducts special operation missions such as psychological operations, civil affairs radio and television broadcasts, Command Control Communications Measures, and limited intelligence gathering. Congress added \$70.5M in FY 97 for the procurement, modification, and support of one aircraft.

FY 98/99 PROGRAM JUSTIFICATION: N/A.

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AIRCRAFI COSI ANALYSIS	A. Appn/Budget	dget	B. Popular Name	ame	C. Manufacturer	rer	D. Date	
EXHIBIT P-5	Activity Title	Title/No.	EC-130J					
(Dollars in Millions)	Aircraft Proc AF/BA02 Airli	t Proc 2 Airlift Acft			Lockheed Marietta, GA		Feb-97	
		QTY		QTY		QTY		QTY
	FY96		FY97	-	FY98		FY99	
	Unit	Total	Unit	Total	Unit	Total		Total
	Cost	Cost	Cost	Cost		Cost		Cost
AIRFRAME/CFE	0.0	0.0	47.4	47.4		0.0	0.0	0.0
ENGINE/ACCESSORIES	0.0	0.0	0.0	0.0			0.0	
AVIONICS: CFE/GFE	0.0	0.0	0.0	0.0			0.0	
ARMAMENT	0.0	0.0	0.0	0.0	0.0		0.0	
OTHER GFE	0.0	0.0	0.0	0.0			0.0	
C	00	C	00	0.0	o	0.0	00	
NON-RECURRING COSTS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
OTHER COSTS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PROGRAM MGT ADMIN REQMTS	(,	7 17				
Subtotal FLYAWAY COSTS	0.0	0.0	4.74	4.74	0.0	0.0	0.0	0.0
AIRFRAME PGSE				4.9				
ENGINE PGSE								
AVIONICS PGSE PECLITAR TRAINING FOLIDMENT								
PUBLICATIONS/TECH. DATA								
ECO (All Support Items)								
OTHER (PMA)				ά				
Subtotal SUPPORT COST		0.0		23.0		0.0		0.0
				1	1			
GROSS P-1 COST		0.0		70.4	0.0	0.0		0.0
20 LESS: Prior Yr Adv. Proc						0		0
21 NET P-1 COST		0.0		70.4		0.0		0.0

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BUDGET ITEM JUSTIFICATION SHEET	Date: Feb 97
APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
AIRCRAFT PROCUREMENT/BA02, OTHER AIRLIFT	C-130J

	FY 1996	FY 1996 FY 1997 FY1	FY1998	FY1999	FY 2000 FY 2001 FY 2002	FY 2001	FY 2002	FY 2003	To Comp	Total
QUANTITY	2	1	1	0	0	0	2	2		
COST (In Millions)	0.86	62.8	49.9	0	0	0	157.9	177.2	TBD	TBD
Initial Spares (in M)	8.4	6.1	7.	0	0	0	13.5	17.0	TBD	TBD
Total (In Millions)	106.4	6.89	9.05	0	0	0	171.4	194.2	TBD	TBD
Unit Cost (in M)										

transport powered by four AE2100D3 turboprop engines. It has a max ferry range of 3,070 nautical miles, a service ceiling of 30,560 feet, and theater forces, including those engaged in combat operations, to meet specific theater objectives and requirements. It is medium size tactical supplies directly into objective areas through airlanding, extraction, airdrop or other delivery techniques; and the air logistics support of all a cruise speed of 342 knots, and can carry a max payload of 39,311 pounds. The Air Force is designated Executive Service for the C-130 MISSION AND DESCRIPTION: The C-130J provides the immediate and responsive air movement and delivery of combat troops and production contract. FY 98/99 PROGRAM JUSTIFICATION: The C-130J will replace the aging C-130E models. The C-130J model will have an upgraded two crew member cockpit, modern technology avionics and new engines and propellers. C-130J will provide improvements in reliability and maintainability thus securing reductions in operating and support costs and improved availability.

AIRCRAFT COST ANALYSIS	A. Appn/Budget		B. Popular Na	me	C. Manufacturer	urer	D. Date	
EXHIBIT P-5	Activity Title	No.	C-130J				1	
(Dollars in Millions)	Aircraft Proc AF/BA02 Airlift Acft	c rlift Acft			Lockheed Marietta, GA		Feb-97	
		ΣIΥ		QTY		QTY		QTY
	FY96	2	FY97	-	FY98	_	FY99	
	Unit	Total	Unit	Total	Unit	Total		Total
	Cost	Cost	Cost	Cost	Cost	Cost	t Cost	Cost
AIRFRAME/CFE	49.0	0.86	47.4	47.4	49.9	49.9		0.0
ENGINE/ACCESSORIES	0.0	0.0	0.0	0.0	0.0		0.0	
AVIONICS: CFE/GFE	0.0	0.0	0.0	0.0	0.0		0.0	
ARMAMENT	0.0	0.0	0.0	0.0	0.0		0.0	
OTHER GFE	0.0	0.0	0.0	0.0	0.0		0.0	
ECO	0.0	0.0	0.0	0.0	0.0	0.0		
NON-RECURRING COSTS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
OTHER COSTS	0.0	0.0	0.0	0.0	0.0	0.0		
PROGRAM MGT ADMIN REQMTS Subtotal FLYAWAY COSTS	49.0	98.0	47.4	47.4	49.9	49.9	0.0	0.0
AIRFRAME PGSE ENGINE PGSE AVIONICS PGSE PECULIAR TRAINING EQUIPMENT PUBLICATIONS/TECH. DATA				12.2				
ECO (All Support Items) OTHER (PMA)				3.2				
Subtotal SUPPORT COST		0.0		15.4		0.0		0.0
GROSS P-1 COST		98.0		62.8	12.5	49.9		0.0
20 LESS: Prior Yr Adv. Proc						0		0
21 NET P-1 COST		98.0		62.8		49.9		0.0

BUDGET PROCUREN FY98/99 Presidents Budget	OCUREMENT HISTO Budget	BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A) 9 Presidents Budget	BIT (P-5A)	A. DATE	Feb-97					
B. Appropriation/Budget Activity Aircraft Procurement/BA02, Airlift Aircraft	udget Activity //BA02, Airlift Aircraft	C. P-1 I C-130J	C. P-1 Item Nomenclature C-130J	ture						
Cost Elements Fiscal Year	Contractor and Location	Contract Method & Type	Contracted By	Award Date	Date of First Delivery	Quantity	Unit Cost (\$M)	Specs Available Now	Specs REV REQ'D	If Yes, when Available
AIR VEHICLE										
FY96	LASC Marietta, GA	SS/FP	AFMC			2	49.0 No	No	Yes	Feb-95
FY97	LASC Marietta, GA	SS/FP	AFMC				47.4 No	No	Yes	
FY98	LASC Marietta, GA	SS/FP	AFMC			~	49.9 No	N _O	Yes	

D. REMARKS:										
						EVL	IDIT D EA D.	EVUIDIT D EA Droguestat Ulater, and Diamina	town of Disease	

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EXHIBIT P-5A Procurement History and Planning

	Duion	EV 1006 EV	EV1007	EV1000	FV 1000	EV 2000	EX7 2001	Taky 2000	C	
	1011	I I 1770	L I 177/	F 1 1770	FI 1999	L X 2000	F X 2001	F X 7007	1133/ F11336 F1 1339 F1 2000 F1 2001 F1 2002 10 Comp 10tal	I otal
QUANTITY	0	3	3							9
COST (In Millions)	0	131.7	165.7							297.4
Initial Spares (in M)	0	0								
Total (In Millions)	0	131.7	165.7							297.4
Unit Cost (in M)										49.6

theater forces, including those engaged in combat operations, to meet specific theater objectives and requirements. It is a medium size tactical transport powered by four AE 2100D3 turboprop engines. The Air Force is designated Executive Service for the C-130 production aircraft. supplies directly into objective areas through airlanding, extraction, airdrop or other delivery tecniques; and the air logistics support of all MISSION AND DESCRIPTION: The C-130 provides the immediate and responsive air movement and delivery of combat troops and

storm conditions (hurricanes, tornadoes, etc.) for transmissions to the National Oceanographic and Atmospheric Administration (NOAA). The The WC-130 is the weather reconnaissance version of the C-130J. It provides immediate response for observation and reporting of critical WC-130s routinely fly 10 to 12 hour missions originating from Keesler AFB, MS.

procure and missionize C-130J aircraft for the weather mission. The final configuration of the WC-130J as a replacement for the current WC-FY97 Appropriations Bill added procurement funding for three WC-130 aircraft. Currently, the Air Force is evaluating the costs necessary to 130s is under review and is expected to be finalized by Spring 1997.

FY 98/99 PROGRAM JUSTIFICATION: N/A

AIRCRAFT COST ANALYSIS EXHIBIT P-5	Activity Title/No.	ager s/No.	b. Popular Name	אם בו	C. manulacture				
(Dollars in Millions)	•		WC-130J		Lockheed Marietta, GA	⋖			
		QTY		QTY	1	QTY	\		QTY
	FY96	က	FY97	က	FY98		0 FY99		0
	Unit	Total	Unit	Total	Unit		a	Unit	Total
	Cost	Cost	Cost	Cost	Cost	Cost	st	Cost	Cost
AIRFRAME/CFE	43.9	131.7	47.4	142.2		0.0	C		0.0
ENGINE/ACCESSORIES Eng Model: Allison AE2100									
AVIONICS									
AKMAMEN I OTHER GFE									
ECO (All Flyaway Components)				1.4					
NON-RECURRING COSTS OTHER COSTS									
Subtotal FLYAWAY COSTS	43.9	131.7	47.4	143.6	0.0	0.0	0	0.0	0.0
AIRFRAME PGSE				6.0					
ENGINE PGSE									
AVIONICS PGSE PECLILIAR TRAINING EQUIPMENT				1.5			-		
PUBLICATIONS/TECH. DATA									
ECO (ALL SUPPORT ITEMS) OTHER (ICS)		0		14.6		0.0		AMARA	0
Program Management Administration (PMA)		0.0				0.0	0 0		0.0
Subtotal SUPPORT COST		0.0		22.1	Γ	0.0	0		0.0
GROSS P-1 COST		131.7		165.7		0.0	0		0.0
20 LESS: Prior Yr Adv. Proc		0.0		0.0		0.0	0		0.0
21 NET P-1 COST		131.7		165.7		0.0	0		0.0

BUDGET ITEM JUSTIFICATION SHEET APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
AIRCRAFT PROCUREMENT/BA03, TRAINER AIRCRAFT	Joint Primary Aircraft Training System (JPATS)

	FY 96/	FY 1997	FY1998	FY1999	FY 2000	FY 2001	FY 2002	FY 2003	To Comp	Total
	Prior									
QUANTITY	6	15	18	12	18	34	43	43	180	372
COST (In Millions)	89.2	82.4	65.4	92.5	92.4	123.0	181.7	190.8	672.9	1590.3
Initial Spares (in M)	0	0	0	0	0	0	0	66.3	63.3	129.6
Total (In Millions)	89.2	82.4	65.4	92.5	92.4	123.0	181.7	256.4	735.9	1718.9
Flyaway U/C (\$M)	8.2	4.7	3.1	3.3	2.8	2.6	3.2	3.1	3.2	3.3
Weapon System U/C	6.6	5.5	3.6	7.7	5.1	3.6	4.2	4.4	3.7	4.3

MISSION AND DESCRIPTION:

underpowered and fuel inefficient engines. Cockpits are unpressurized, resulting in the largest number of physiological incidents in the Air Force. The USAF will serve Sytems (GBTS). The USAF's T-37 aircraft average over 30 years of age. They have antiquated, increasingly unsupportable and non-representative avionics, as well as, JPATS is a joint USAF/USN venture to replace the Services' fleet of primary trainer aircraft (T-37/T-34 respectively) and procures associated Ground Based Training as the Lead Executive Service.

The Program Management Administrative (PMA) initiative costs for the JPATS program are identified separately for FY96 - FY01 on the P-5 exhibit attached. The USAF planned quantity is 372, with the first procurement in FY95. The USN planned quantity is 339, beginning in FY00. The JPATS program will acquire a nondevelopmental aircraft plus JPATS missionization.

FY97 procurement quantity and funding adjusted from 12 to 15 aircraft with funds increasing from \$67.1M to \$82.4M, using \$15.3M of FY96 funds.

FY 98 PROGRAM JUSTIFICATION:

The JPATS program will acquire a missionized version of an in-service, in-production aircraft. FY 98 funding will procure 18 aircraft and associated support. Aircraft are required to begin training at Randolph AFB, TX.

FY 99 PROGRAM JUSTIFICATION: FY 99 funding will procure 12 aircraft and associated support. Aircraft are required to begin training at Randolph AFB, TX.

EXHIBIT P-5	Activity Title/No.	# o	c. ropala maille					ic-no-
(Dollars in Millions)	010/84740F		Joint Primary Air Training System	ary Aircra	Joint Primary Aircra Raytheon Aircraft Co Training System Wichita, Kansas	craft Co		
	FY96 &	QTY		` إ		QTY		QTY
	Prior	o	FY97\$		FY98	18	FY99	
	Unit Total		Chit	Total		Total		
FLYAWAY COST	Cost Cost	*	Cost	Cost	Cost	Cost	Cost	
AIRFRAME/CFE ENGINE/ACCESSORIES	8.2	74.2	4.7	71.0	3.1	56.4	3	3.3
Eng Model:								
AVIONICS ARMAMENT								
OTHER GFE								
NON-RECURRING COSTS								
OTHER COSTS Subtotal FLYAWAY COSTS	8.2	74.2	4.7	71.0	3.1	56.4	er.	3.3 39.2
GROUND BASED TRAINING SYSTEMS COSTS AIRFRAME/CFF	0.0	0.0	0.0	0.00	0.03	0.6	6	3.7 44.9
ENGINE/ACCESSORIES								
Eng Model:				0.0	***************************************	0.0		0.0
AVIONICS								
OTHER GFE								
ECO (All Flyaway Components)								
NON-RECURRING COSTS								
Subtotal GROUND BASED TRG SYS	0.0	0.0	0.0	0.0	0.03	9.0	က	3.7 44.9
OTHER COSTS								
AIRFRAME PGSE (Deferred Logistics)								
AVIONICS PGSE								
PECULIAR TRAINING EQUIPMENT			,		,	į	,	
PUBLICATIONS/TECH, DATA	1.6	15.0	0.8	11.4	0.5	8.4	0	0.7 8.4
ECO (ALE SOFFOR) IT EMIS) Program Management Administration (PMA)					•			
Subtotal OTHER COSTS	1.6	15.0	0.8	11.4	0.5	8.4	0	0.7 8.4
GROSS P-1 COST	8.6	89.2	5.5	82.4	3.6	65.4	7	7.7
20 LESS: Prior Yr Adv. Proc		0.0	-	0.0		0.0		
21 NET P-1 COST	8.6	89.5	5.5	82.4	3.6	65.4	7	7.7 92.5



EHICLE Raytheon Aircraft Wichita, Kansas									
Propriation/Budget Activity 84740F Sear Contractor And Location EHICLE Raytheon Aircraft Wichita, Kansas				February 97					
Vear and Location FHICLE Raytheon Aircraft Wichita, Kansas	C. P.1 Item	C. P-1 Item Nomenclature Loint Primary Aircraft Training System (JPATS)	System (JPATS)						
Year and Location EHICLE Raytheon Aircraft Wichita, Kansas	Contract Method	Contracted	Award	Date of First	Quantity U	Unit	Specs	Specs REV	If Yes, when
Raytheon Aircraft Wichita, Kansas	& Type	Ву	Date	Delivery			Available Now	REQ'D	Available
Raytheon Aircraft Wichita, Kansas									
Wichita, Kansas	C/FPO	ASC/YT WPAFR OH	Feb-96		m	13 1 Ve	o c	Z	A/A
		ASC/YT WPAFB OH	Sep-96	Mar-99	9	5.8 Yes	S	No	N/A
			Feb-97		15	4.7 N	(A	N/A	N/A
	C/FPO, FPIF with EPA	ASC/YT WPAFB OH	Feb-98	Feb-00	18	3.1 N	/A	N/A	N/A
		ASC/YT WPAFB OH	Feb-99		12	3.3	(A	N/A	N/A

D. REMARKS:

Variations in Unit Cost from FY to FY: There is a significant amount of non-recurring associated with FY95 which decreases in FY96 and FY97.

EXHIBIT P-5A Procurement History and Planning

Appropriation (Treas) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, 3010 & AP,N3	1														1	\C-\u0000												
All Callell	eas) Co	de/CC	/BA/	BSA	Item	Contr	nN lo	ımber			Weapo	on Sy	Weapon System	<u>-</u>	-1 Lin	P-1 Line Item Nomenclature	n Non	nencli off T	ature	P-1 Line Item Nomenclature	1	LVGI	Į					
	011, 00	2						PRO	DUCT	PRODUCTION RATE	112	\vdash		2		PROCUREMENT LEADTIMES	UREM	ENT L	EAD)	IMES IMES		2	0					
		MANUFACTURER'S	JFAC.	10H	H'S								ALT PRIOR	IOH	Ā	ALT AFTER	ER	Z	INITIAL			REORDER	m				UNIT OF	PF.
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Aircraft (flyaway)		Raytheon, Wichita KS	eon,	Wichit	a KS			12		1-8-5		96				5	5 mo.		24 mo.	щ <u>.</u>		N/A			29 mo.			EA
																		4										
					FISC	FISCAL YEAR 99	AR 90	6								Ĭ.	FISCAL YEAR 00	YEAR	00									
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	97 AF	15	0	15									2	2	2	2	2	2	-	2								0
	98 AF	18	0	18									_			_		_	_		-	2	2		2	-	2	9
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REMARKS:			:																				PAG	PAGE 1 OF	2			
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AF & Navy	AF & Navy												Ja	Jan-97												
Appropriation (Treas) Code/CC/BA/BSA/Item Control Number	reas) Cc	JO/901	S/BA/B	SA/Ite	m Con	Itrol N	umber		> -	Weapon System	n Sys	tem	P-1	P-1 Line Item Nomenclature	Item I	Vome	nclatu	re	Vetor	/OI /	TCI					
All Clail Flocult	illelli, oo	8	21,1				PRO	PRODUCTI	TION RATE	2 2 2	-		200	E	OCUF	EMEN	TLE	PROCUREMENT LEADTIMES	SES	101	010	-				
ITEM		MAN	UFACT E AND	MANUFACTURER'S NAME AND LOCATION	NO NO	2	MSR	1-8	8-5	MAX		ALT PRIOR TO OCT 1	DH 1	ALT OCT	ALT AFTER OCT 1	ď	INITIAL MFG PLT	L YT		REORDER MFG PLT	ER ⊢.		TOTAL	A.	ME	UNIT OF MEASURE
Aircraft (flyaway)		Rayth	M, uoet	Raytheon, Wichita KS	S	\prod	12		1-8-5		98				5 mo.			24 mo.	H	N/A	¥	H	29 mo	Mo.		EA
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SIMULATO	SIMULATOR AND TRAINING DEVICE JUST	INING DEV	VICE JUSTIF	TIFICATION		(\$ M)		DATE	
	FY98 PRESIDENT'S BUDGET	DENT'S BUI	DGET						Feb-97
Appropriati	Appropriation/P-1 Line Item		Weapon Sys	System(If Applicable)		Equipment Nomenclature	Vomenclatur	a	PE
3010/Joint P	3010/Joint Primary Aircraft	ıft	JPATS						84740F
Fraining Sy	Training System (JPATS)								
Fin Plan	Prior Yrs	CY (97) BY1 (98)	BY1 (98)	BY2 (99)	BY2+1	BY2+2	BY2+3	BY2+4	Total *
Quantity	0	5	0	9	8	9	8	10	26**
Proc	0	0	0.0	44.9	35.2	28.6	42.6	52.5	254.2
RDT&E	0.2	12.4	39.4	44.1	27.2	5.7	0.0	0.0	129.0
O&S	0.06	0.58	09.0	19.0	0.63	10.23	13.94	17.66	***

TRAINING SYSTEM DESCRIPTION

training system using similar hardware with like capabilities. Components of the system include simulators, curricula, contract logisitic support and aircraft. This project represents the ground based training portion Training will consist of a single primary phase (JPATS) and a dual advanced phase in either the T-1A or T-38 aircraft. The objective of both the Air Force and the Navy is to jointly acquire an integrated of the system.

- * Equals total of "Prior Yrs" through Completion.
- ** Quantity consists of 5 for RDT&E and 51 for Procurement.

[does not include 7 TIMS(99) or 4 Trng Aids(00)]

*** Numbers received from AETC include FY96-FY03. They have no complete total through FY38.

	Fraining Device Justification	
EARIBII F-43	Simulator & T	
rage No.		•
F-1 Snopping List	Item No.	

Appropriation/ Weapon System (If Applicable) P-1 Line Item												
T T THIS INCH		Weapon Sys	Weapon System (If Applicable)	IOC Date	Equipment Nomenclature	r ure		PE				
3010/JPATS		JPATS		May-01				84740F				
Training Device		Delivery	Ready for	Average Student	Prior Years	(ears	Current Year (97)	(ear (97)	Budget Year1 (98)	ear1 (98)	Budget Year2 (99)	ır2 (99)
By Type	Site	Date	Training Date	Throughput	Qty	Cost	Qfy	Cost	Qty	Cost	Qty	Cost
OFT	Various				0	N/A	0	N/A	0	N/A	2	15.4
IFT V	Various				0	N/A	0	N/A	0	N/A	2	9.5
CPT	Various				0	N/A	0	N/A	0	N/A	2	3.4
EGRESS	Various				0	N/A	0	N/A	0	N/A	0	N/A
BJECT	Various				0	N/A	0	N/A	0	N/A	0	N/A
TIMS	Various				0	N/A	0	N/A	0	N/A	7	9.6
TRNG AIDS	Various				0	Z A	6	Ž Ž	0	∀	0	Ϋ́ V
			P-1 Shopping List	List	Item No.		Page No. 2		EXHIBIT P-43	-43		

SIMULATOR AND TRAINING DEVICE	NG DEVI	CE			(\$ M)	FY98 PRES	FY98 PRESIDENT'S BUDGET	UDGET			DATE	Feb-97
Training Device by Type						Weapon Sy	Weapon System (If Applicable)	oplicable)				
Operational Hight Trainers (OFT)	OFT)					JPATS						
Description/Justification												
Operational Flight Trainers (OFT) are simulators used to train pilots in operational use of all aircraft controls and instruments and includes out-of-window visual scenes.	OFT) are ents and in	simulato ncludes	rs used to out-of-wi	train pilot ndow visua	s in opera il scenes.	tional use	of all					
Financial Plan	PY	X	CZ	CX (97)	BY	BY (98)	BY+1 (99)	(66)	Cost	Cost to Complete	Total Cost	it.
	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
HARDWARE COSTS												
Device (Hardware)	0	0	0	0	0	0	2	14,449	11	80.56	5 13	95.09
ECO's								0.944		5.26	,6	6.21
Nonrecuring GFE												
Other(Specify)												
Total Hardware		0		0		0		15.393	••	85.82	01	101.29
Costs												
SUPPORT COSTS												
Special SF												
Integrated Logistics												
Support												
Other(Specify)								j				
Total Support	******	0		0		0		0		0.00		0.00
Costs												
Software/								· · · · · · · · · · · · · · · · · · ·				
Care Language Control												
TOTAL COSTS					,							
		0		0		0		15.393		85.82	lai	101.29
			P-1 Shop	Shopping List Item No.	em No.			Page No. 3		EXHIBIT P-43		

SIMOLATOR AND TRAINING DEVICE TOSTIFICATI	フロロビス	CELOSI		H J ST T		I I JO I INECIDENT DE DOUGET		Tab Co.		-	DAIL	Len-2/
Training Device by Type						Weapon System (If Applicable)	tem (If A	pplicable)				
Instrument Flight Trainers (IFT)	FT)					JPATS						
Description/Justification Instrument Flight Trainers (IFT) are simulators used to train pilots in instrument flight procedures including: ground operations, takeoff, Ianding, normal instrument flight, in-flight maneuvers, communication/navigation procedures and other subsystems.	FT) are s light, in	imulators flight ma	used to t	rain pilots in i communicatio	instrument n/navigatio	flight proced	ures inch and othe	iding: ground c er subsystems.	perations, ta	keoff,		
Financial Plan	Prior	Prior Years	Curre	Current Year (97)	Budget	Budget Year 1 (98)	Budge	Budget Year 2 (99)	Cost to Complete	omplete	Total Cost	Cost
	Qty	Cost	Qty	Cost	Qty	Cost	Oty	Cost	Qty	Cost	Qty	Cost
HARDWARE COSTS Device (Hardware)	0	0	0	0	0	0	2	8.939	17	77.94	19	86.88
ECO's								0.584		5.09		5.67
Nonrecurring												
Other(Specify)												
							· · · · · ·				1	
Total Hardware		0		0		0		9.523		83.03		92.55
Costs												
SUPPORT COSTS												
Special SE												
Integrated Logistics Supt.												
Other(Specify)												
Total Support		0		0		0		0		0		0.00
Costs												
Software/Courseware												
TOTAL COSTS				0		0		9 573		83.03		99 55
										2000		
				P.1 Shonning List Item No.	I jet Itom N	Jo.		Page No. 4		EXHIBIT P-43		

APPROPRIATION/BUDGET ACTIVITY P-1 ITE	Date: Feb 97 TEM NOMENCLATURE	
AIRCRAFT PROCUREMENT/BA03, TRAINER AIRCRAFT	T-1A Training System	

	FY 96/	FY 96/ FY 1997	FY1998	FY1999	FY 2000	FY 2001 FY 2002	FY 2002	FY 2003	FY 2003 To Comp	Total
	Prior									
QUANTITY	180	0	0	0	0	0	0	0	0	180
COST (In Millions)	4.968	4.5	0	0	0	0	0	0	0	6.006
Initial Spares (in M)	265	0	0	0	0	0	0	0	0	59.7
Total (In Millions)	956.1	4.5	0	0	0	0	0	0	0	9.096
Unit Cost (in M)										

MISSION AND DESCRIPTION:

integral part of the DOD 1989 Trainer Master Plan submitted to Congress in Feb 1989. The T-1A is a Beech 400T aircraft missionized with an avionics suite representative in task management and function of current and projected operational aircraft. The ground based training system award (Feb 90). Two of the five AETC bases were completed during FY93 (Reese AFB and Randolph AFB). Laughlin AFB was started in is comprised of courseware, training media, and simulators. The program entered the production phase beginning with the initial contract This program is the cornerstone in the Air Force's plan to return to Specialized Undergraduate Pilot Training (SUPT). The program is an Nov 93 and completed in Dec 94 (FY95). All three bases are currently training and graduating students.

FY 98/99 PROGRAM JUSTIFICATION:

N/A

T-1A						
FY96 Unit Total Cost Cost 0.0 0.0 PMA) PMA) 4.0		i raining system	T-1A Training System McDonnell Douglas St Louis, MO.	uglas		
PMA) FY96 Unit Total Cost Cost 0.0 0.0 0.0 0.0 1.0 1.0	QTY	QTY	-	QTY		QTY
DMA) Unit Total Cost Cost	FY97		FY98		FY99	
PMA)	Total	Unit Total	Cost	Total	Unit	Total
PMA)				0.0		0.0
PMA)						
PMA)						
PMA)						
0.0 0.0 1						
0.0 PMA)						Ì
PMA)	0.0	0.0	0.0	0.0	0.0	0.0
MENT stration (PMA)	4.3					
MENT Stration (PMA)						
stration (PMA)	4.0	2.5		0.0		0.0
stration (PMA)	0.0	0.0		9		5
Subtotal SUPPORT COST P-1 COST	0.0	0.0				
	0.0	1.0		0.0		0.0
	10.3	4.5		0.0		0.0
	10.3	ν. -		C		0
	2.	ř		5		0.0
Other non P-1 (Initial Spares)	21.2	0.0		0.0		0.0
21 NET P-1 COST 31.5	31.5	4.5		0.0		0.0
					Ш	EXHIBIT P-5

BUDGET PROCUREMI FY 98/99 Presidents Budget	BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT 99 Presidents Budget	AND PLANNING E	EXHIBIT (P-5A)	A. DATE	Feb 97					
B. Appropriation/Budget Activity 3010/10TTTS	rdget Activity	O F	C. P-1 Item Nomenclature T-1A Training System	lature						
Cost Elements Fiscal Year		Contract Method & Type	Contracted By	Award Date	Date of First Delivery	Quantity	Unit Cost	Specs Available Now	Specs REV REQ'D	If Yes, when Available
AIR VEHICLE FY95	MDTS, St Loius, MO.	FPAF	AFMC/ASC	Dec 94	96 In	32		4 Yes	o Z	
D. REMARKS:				-						
Propulsion Costs are	Propulsion Costs are included in the air vehicle price on this program.	cle price on this prog	gram.							
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EXHIBIT P-5A Procurement History and Planning

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BUDGET ITEM JUSTIFICATION SHEET	Date: Feb 97
APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
AIRCRAFT PROCUREMENT/BA-04, Other Aircraft	09-HH

	FY 1996	FY 1996 FY 1997 FY	FY 1998	FY 1999	FY2000	FY2001	FY 2002	FY 2003	To Comp	Total
QUANTITY	0	8	0	0	0	0	0		0	8
COST (IN millions)	0	107.8	0	0	0	0	0	0	0	107.8
Initial Spares (in M)	0	0	0	0	0	0	0	0	0	0
Total (in Millions)	0	107.8	0	0	0	0	0	0	0	107.8
Unit Cost (in M)	0	12.9	0	0	0	0	0	0	0	12.9

MISSION AND DESCRIPTION:

contract with Sikorsky and converted to the latest combat rescue configuration to meet operational requirements. The FY97 program provides The objective of this program is to procure eight additional HH-60 helicopters. The aircraft will be acquired from the US Army multi-year Procurement of these eight helicopters fixes a force structure deficit, satisfies attrition reserve requirements, provides the capability to meet ongoing operations without using Special Operations Forces, and allows the Air Force to support the Committee on Roles and Missions funds for the procurement of eight HH-60 helicopters to include missionization for the Combat Search and Rescue (CSAR) mission. recommendations and Secretary of Defense direction to become the executive agent for CSAR.

FY98/99 PROGRAM JUSTIFICATION: N/A

AIRCRAFT COST ANALYSIS	A. Appn/Budget	dget	B. Popular Name	Name	C. Manufacturer	cturer	D. Date		Feb-97
EXHIBIT P-5	Activity Title/No.	e/No.	1				~~~~		
(Dollars in Millions)	Aircraft Procurement HH-60	curement	09-HH						
	Other Aircraft/BA 4	aft/BA 4			Startford, (CT			
		QTY		QTY		QTY			QTY
	FY96	0	FY97	80	FY98	0	FY99		0
	Unit	Total	Unit	Total	Unit	Total		Unit	Total
	Cost	Cost	Cost	Cost	Cost	Cost		Cost	Cost
AIRFRAME/CFE		0.0	6.2	49.2		0.0			0.0
PROPULSION		0.0	1.6	12.7		0.0			0.0
ENGINE/ACCESSORIES		0.0		0.0		0.0			0.0
Eng Model: F-118-GE-100		0.0		0.0		0.0			0.0
AVIONICS		0.0	3.8	30.0		0.0			0.0
WEAPON DELIVERY SYSTEM		0.0		0.0		0.0			0.0
OTHER GFE		0.0	0.4	3.1		0.0			0.0
ECO (All Flyaway Components)		0.0		0.0		0.0		•••	0.0
NON-RECURRING COSTS		0.0		0.0		0.0		-	0.0
MISSIONIZATION		0.0	1.0	8.0		0.0			0.0
Subtotal FLYAWAY COSTS	0.0	0.0	12.9	103.0	0.0	0.0	0	0.0	0.0
AIRFRAME PGSE (Deferred Logistics)		0.0		0.0		0.0			0.0
ENGINE PGSE		0.0		0.0		0.0			0.0
AVIONICS PGSE		0.0		4.0		0.0		·	0.0
PECULIAR TRAINING EQUIPMENT		0.0		0.0		0.0			0.0
PUBLICATIONS/TECH. DATA		0.0		0.8		0.0			0.0
OTHER (ICS)		0		0.0		0.0			0.0
S/W INVESTMENT		0.0		0.0		0.0			0.0
Program Management Admin Reqmt (PMAR)		0.0		0.0		0.0			0.0
OTHER		0.0		0.0		0.0	-		0.0
Subtotal SUPPORT COST		0.0		4.8		0.0			0.0
GROSS P-1 COST		0.0		107.8		0.0			0.0
20 LESS: Prior Yr Adv. Proc		0.0		0.0		0.0		***	0.0
21 NET P-1 COST		0.0		107.8		0.0			0.0
								E	EXHIBIT P-5

BUDGET PROCURE EY98 Defense Budget Submission	T PROCUREMENT HIST Submission	BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A) Budget Submission	IBIT (P-5A)	A. DATE	February 97					
C Assessment of the second of	, A . 45 . 15 . 15 . 15 . 15 . 15 . 15 . 15	0			columny 27					
B. Appropriation/Budget Activity 3010/ BA 04 / OTHER AIRCRAFT	t Activity AIRCRAFT	C. P-1 16 HH - 60	C. P-1 Item Nomenclature HH - 60							
Cost Elements Fiscal Year	Contractor and Location	Contract Method & Type	Contracted By	Award Date	Date of First Delivery	Quantity	Unit Cost	Specs Available Now	Specs REV REQ'D	If Yes, when Available
AIR VEHICLE										
FY97	Sikorsky Stratford, CT	Multi - year option fixed price	US Army ATCOM	Apr-97	Apr-98	ω .	12.9	Yes	Yes	Dec-96
									on 1124-144	
D. REMARKS:										

EXHIBIT P-5A Procurement History and Planning

Pro Prior a Oty to a 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	FY98/99 PRESIDENTS BUDGET SCHE	TS BUDG	ET SCHE P.	1 TEN 1-60 YEAF	ITEM NOMENCLATURE 60 YEAR 97 FAIRN STANDS	ATURE	FISCAL YEAR 98	EAR 98		, de l'A	DATI	DATE Feb 97 FISCAL	97	Feb 97 FISCAL YEAR 99	66				
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Production Rates	+++												+++				+++		
Production Rates																		+	
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/5 wks + TIME Int Reorder	D	Min	rd 1-8- M md		Admin Le	ad MFG	TOTAL AFTER	Procu	red via A	гту НН	60 MY	P Cont	ract.						
		1/5 wks	/5 wks	Int		TIME	ост												

BUDGET ITEM JUSTIFICATION SHEET	Date: Feb 97
APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
	C-37A (Small VCX)
AIRCRAFT PROCUREMENT/BA-04, Other Aircraft	

	FY 1996	FY 1996 FY 1997 FY	1	FY 1999	FY2000	FY2001	FY 2002	FY 2003	1998 FY 1999 FY2000 FY2001 FY 2002 FY 2003 To Comp	Total
QUANTITY		2								2
COST (IN millions)		99.2								99.2
Initial Spares (in M)		3.8								3.8
Total (in Millions)		103.0								103.0
Unit Cost (in M)		49.6								49.6

MISSION AND DESCRIPTION:

The C-37A is a long-range executive passenger jet that will provide worldwide air transportation for the Vice President, cabinet members, congressional delegations, Presidential emissaries, and other high ranking dignitaries of the United States.

FY97 PROGRAM JUSTIFICATION:

The FY97 program provides funds for the procurement of two commercial, off-the-shelf, long-range aircraft as well as missionization of these commercial aircraft. Replacement aircraft are required that offer improved reliability, reduced O&S costs, compliance with Federal Aviation aircraft. The current C-137 fleet averages 35 years of age, is costly to operate and lacks the performance and safety features common in Administration (FAA) and International Civil Aviation Organization (ICAO) noise and pollution standards.



EXHIBIT P-5	A. Appn/Budget Activity Title/No.	ıdget le/No.	B. Popular Name	. Name	C. Manufacturer	cturer	D. Date	Feb-97
(Dollars in Millions)	Aircraft Procureme Other Aircraft/BA 4	ocurement aft/BA 4	Aircraft Procurement C-37A (Small VCX) Other Aircraft/BA 4	all VCX)	TBD			
		QTY		QTY		QTY	>	OTY
•	FY96	0	FY97	2	FY98	0	FY99	3
	Unit	Total	Unit	Total	Unit	Total		Total
	Cost	Cost	Cost	Cost	Cost	Cost		
AIRFRAME/CFE		0.0	49.6	99.2		0.0		
COMMUNICATIONS SYSTEM		0.0		0.0		0.0	_	0.0
ENGINE/ACCESSORIES		0.0		0.0		0.0		0.0
Eng Model:		0.0		0.0		0.0		0.0
AVIONICS		0.0	·	0.0		0.0		0.0
WEAPON DELIVERY SYSTEM		0.0		0.0		0.0		0.0
		0.0		0.0		0.0		0.0
LOC (All riyaway Components)		0.0		0.0		0.0		0.0
MOIN-RECORNING COOLS		0.0		0.0		0.0		0.0
MINOSIONIZATION		0.0		0.0		0.0		0.0
Subtotal FLYAWAY COSTS	0.0	0.0	49.6	99.2	0.0	0.0	0.0	0.0
AIRFRAME PGSE (Deferred Logistics)		0.0		0.0		0.0		0.0
ENGINE PGSE		0.0		0.0		0.0		0.0
AVIONICS PGSE		0.0		0.0		0.0		0.0
PECULIAR SUPPORT EQUIPMENT		0.0		0.0		0.0		0.0
PUBLICATIONS/TECH. DATA		0.0		0.0		0.0		0.0
OTHER (ICS)		0		0.0		0.0		0.0
Drogram Management Admin Drogram (1988)		0.0		0.0		0.0		0.0
riogiain management Aumin Reqmi (PMAR) OTHER		0.0		0.0		0.0		0.0
Subtotal slibbobt cost		0.0	· · · · · · · · · · · · · · · · · · ·	0.0		0.0		0.0
Capital Sol Co.		0.0		0.0		0.0		0.0
GROSS P-1 COST		0.0		99.2		0.0		0.0
20 LESS: Prior Yr Adv. Proc		0.0		0.0		0.0		0.0
21 NET P-1 COST		0.0		99.2		0.0		0.0

FY98/99 Presidents Budget	udget	100	Hom Momonday		Feb-97					
B. Appropriation/Budget Activity Aircraft Procurement/BA04, Other Aircraft	get Activity A04, Other Aircraft	C. P-1 Item C-37A (Sma	C. P-1 Item Nomenciature C-37A (Small VCX)	ture						
Cost Elements Fiscal Year	Contractor and Location	Contract Method & Type	Contracted By	Award Date	Date of First Delivery	Quantity	Unit Cost (\$M)	Specs Available Now	Specs REV REQ'D	If Yes, when Available
AIR VEHICLE FY97	Competitive	<u>а</u> Ц	ASC/LAAV	May-97	Aug 98	7	9.64 0.0	2		
D. REMARKS:										

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EXHIBIT P-5A Procurement History and Planning

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	E Proc	Prior	Due	0	z	0	7	ш.	Σ		Σ	5	5					_	_			2	E		A	(S)	0	$\overline{}$				1	V	2	E		X	S
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and Location						5									-		F	TOTAL		_																		
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BUDGET ITEM JUSTIFICATION SHEET	Date: Feb 97
APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
	C-32 (VCX)
AIRCRAFT PROCUREMENT/BA-04, Other Aircraft	

	Prior	Prior FY 1996 FY 1	FY 1997	FY 1998	1997 FY 1998 FY1999	FY2000	FY 2001	FY 2003	FY 2001 FY 2003 To Comp	Total
QUANTITY				2	2					4
COST (IN millions)				190.1	167.0					357.1
Initial Spares (in M)				0	0	59.5				59.5
Total (in Millions)				190.1	167.0	59.5				416.6
Unit Cost (in M)				94.5	83.5					89.3

MISSION AND DESCRIPTION:

The C-32 is a long-range executive passenger jet that will provide worldwide air transportation for the Vice President, cabinet members, congressional delegations, Presidential emissaries, and other high ranking dignitaries of the United States.

FY98/99 PROGRAM JUSTIFICATION:

The FY 98/99 program provides funds for the procurement of four C-32A aircraft - Boeing 757-200s. These aircraft are being acquired under a FY 96 commercial lease-to-purchase contract. The current C-137 fleet averages 35 years of age, is costly to operate and lacks performance and safety/navigation features inherent on modern commercial aircraft. The C-32A provides improved reliability, lower operating and support costs, will incorporate the latest navigation and safety features, and comply with Federal Aviation Administration (FAA) and International Civil Aviation Organization (ICAO) noise and pollution standards.



EVUIDIT D &	a who made	nager	b. ropular Name	Name	C. Manufacturer	cturer	U. Date	Feb-97
EATIBIL P-5	Activity Title/No.	le/No.						
(Dollars in Millions)	Aircraft Procurem	ocurement	Aircraft Procurement C-32 (VCX)		Boeing			
		ATO ATO		t C	Seattle, WA			
	200	3		Š		QTY		QTY
•	F 7.96		FY97	0	FY98	2	FY99	2
	Onit		Unit	·	Chit	Total	Unit	Total
	Cost	Cost	Cost	Cost	Cost	Cost	Ū	Cost
AINTRAME/CFE		0.0		0.0	89.3	178.6	77.5	155.0
FROFUCION		0.0		0.0		0.0		0.0
ENGINE/ACCESSORIES	•	0.0		0.0		0.0		0.0
ETIG MODEL F-116-GE-100		0.0		0.0		0.0		0.0
MEADON DELIVEDY SYSTEM		0.0		0.0		0.0		0.0
OTHER COSTS (FAA/Socios Bulletins)		0.0		0.0		0.0		0.0
FCO (All Figures Components)		0.0		0.0	5.2	10.4	0.9	12.0
NON-RECIERING COSTS		0.0		0.0		0.0		0.0
MISSIONIZATION		0.0		0.0		0.0		0.0
Subtotal El VAWAY COSTS	d	0.0	(0.0		0.0		0.0
	0.0	0.0	0.0	0.0	94.5	189.0	83.5	167.0
AIRFRAME PGSE (Deferred Logistics)	*****	0.0		0.0		0.0		0.0
ANJONIOS BOST		0.0		0.0		0.0		0.0
AVIONICS PESE DECLIAD TOAINING FOLIDAMENT		0.0		0.0		0.0		0.0
PIRIOATIONS/TECH DATA		0.0		0.0		0.0		0.0
OTHER (ICS)		0.0		0.0		0.0		0.0
S/W INVESTMENT		0 0		0.0		1.		0.0
Program Management Admin Regunt (DMAR)		0.0		0.0		0.0		0.0
OTHER		0.0	***	0.0		0.0		0.0
Subtotal Subbobt cost		0.0		0.0		0.0		0.0
LOO LAOLLOS INCIDENCES		0.0		0.0		1.		0.0
GROSS P-1 COST		0.0		0.0		190.1		167.0
20 LESS: Prior Yr Adv. Proc		0.0		0.0		0.0		0.0
21 NET P-1 COST		0.0		0.0		190.1		167.0
								200

C. P-1 tlam Nomenciature C. P-1 tlam Nomenciature C-32 (VC) transcription C-32 (VC) tran	FY98/99 Presidents Budget	s Budget	BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A) 9 Presidents Budget	HIBIT (P-5A)	A. DAIE	Feb-97	2				
Contract Method Contract Method Award Date Date Date Officer (\$M) Unit Date Date Date Date Date Date Date Dat	. Appropriation/E ircraft Procuremen	sudget Activity WBA04, Other Aircraft	C. P.	1 Item Nomencial (VCX)	ture						
Boeing Company FFP ASC/LAAV Aug-96 Jan 98 2 94.5 Yes No	ost Elements iscal Year	Contractor and Location	t Method	Contracted By	Award Date	Date of First Delivery	Quantity	Unit Cost (\$M)	Specs Available Now	Specs REV REQ'D	If Yes, when Available
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EXHIBIT P-5A Procurement History and Planning



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BUDGET ITEM JUSTIFICATION SHEET	Date: Feb 97
APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
AIRCRAFT PROCUREMENT/BA04, OTHER AIRCRAFT	Joint STARS

	Prior	FY 1996 FY	1997	FY1998 FY 1999 FY 2000 FY 2001	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	Total
QUANTITY	9	2	2	1	2	2	2	2	0	19
COST (In Millions)	1316.0	467.8	536.9	336.4	671.3	593.7	518.0	407.6	36.4	4884.1
Initial Spares (in M)	99.2	8.89	0.0	35.1	95.2	65.3	52.7	36.1	27.8	480.2
Total (In Millions)	1415.2	536.6	536.9	371.5	766.4	659.0	570.7	443.7	64.3	5364.3
Unit Cost (in M)										

MISSION AND DESCRIPTION:

other system planned to provide real-time wide area surveillance of the Corps battlefield, closed-loop target detection and tracking and real-time segments (airborne and ground). Joint STARS is unique because it is a closed-loop system for real-time detection, tracking and attack of enemy service. The Joint STARS system provides real-time surveillance of the battlefield and rear echelons. The system detects, identifies, and tracks maneuver, in order to apply effective and timely maneuver of forces, battlefield management, and targeting of artillery and rockets. There is no attack targeting against first and second echelon armor. JSTARS provides a 2-5 day advanced look at enemy second-echelon target detection, ground moving targets, using moving target indicator and synthetic aperture radar techniques. Joint STARS integrates the accurate attack of tracking and real-time targeting permits the direction of direct attack aircraft, artillery, and standoff missiles against moving ground targets in The Joint Surveillance Target Attack Radar System (Joint STARS) is a Joint Army and Air Force program, with the Air Force as the lead enemy armor and vehicular traffic and provides their locations to the AF and Army Commanders to assess intentions and manage primary enemy forces by providing position updates and precise enemy location in real-time to direct attack aircraft, friendly artillery and standoff missiles. The Army Corps Commander requires wide area surveillance information to understand enemy force buildups and scheme-ofreal-time, compared with current interdiction missions which are performed on a preplanned basis.

FY98 PROGRAM JUSTIFICATION:

Procure 1 aircraft and associated support.

FY99 PROGRAM JUSTIFICATION:

Procure 2 aircraft and associated support.

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EXHIBIT P-40

5

AIRCRAFI COSI ANALYSIS	A. Appn/Budget	iget	B. Popular Name	me	C. Manufacturer	_	D. Date	
EXHIBIT P-5	Activity Title/No.	No.	Joint Stars					
(Dollars in Millions)	Aircraft Proc AF/BA04 Oth	oc Other Aircraft			Northrop Grumman Corp	nan Corp	Feb-97	
		QTY		QTY		QTY		OTY
	FY96	2	FY97	2	FY98	-	FY99	0
	Chit	Total	Unit	Total	Unit	Total	Cuit	Total
	Cost	Cost	Cost	Cost		Cost	Cost	Cost
AIRFRAME/CFE FNGINE/ACCESSORIES	120.5	240.9	115.1	230.2	128.9	128.9	136.0	272.0
AVIONICS: CFE	67.9	135.8	71.3	142.6	81.3	8	76.3	152 B
GFE	4.1	8.2	2.4	4.8	6.4	4.9	2.6	5.2
ARMAMENI OTHER GFE								
ECO	0.4	0.8	1.8	3.6	21.4	21.4	44.7	89.3
NON-RECURRING COSTS	7.7	15.3	12.7	25.3	16.4	16.4	8.2	16.4
OTHER COSTS	40.3	9.08	31.3	62.6	6.09	6.09	36.8	73.5
Subtotal FLYAWAY COSTS	240.8	481.6	234.6	469.1	313.8	313.8	304.5	609.1
AIRFRAME PGSE ENGINE PGSE								
AVIONICS PGSE		0.7		3.4		7.8	. •	4.8
PECULIAR IRAINING EQUIPMENT		5.2		12.5		5.8		6.1
OTHER		1.4		9.4		5.1	•	5.1
PRGM MGT ADMIN (PMA)		S. C.		34.4		32.7		43.1
		- 0		0.0		15.7	-	15.2
Subtotal SUPPORT COST		39.3		55.2		67.1		74.3
GROSS P-1 COST		520.9		524.3		380.9	-	683.4
20 LESS: Prior Yr Adv. Proc		-148.8		-128.5		-67.0		-115.2
21 NET P-1 COST	_	372.1		395.8		314.0		568.2

A. DATE	Feb-97	
	BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)	

C. P-1 ITEM NOMENCLATURE

B. APPROPRIATION/BUDGET ACTIVITY

	IF YES, WHEN AVAIL		ONGOING	ONGOING	ONGOING	ONGOING		ONGOING	ONGOING	ONGOING	ONGOING	
	SPEC REVIS REQ'D		YES	YES	YES	YES		YES	YES	YES	YES	
	SPECS AVAIL NOW		YES	YES	YES	YES		YES	YES	YES	YES	
	UNIT		240.8	234.6	313.8	304.5		N/A	A/A	A/A	N/A	
	ΔTγ		7	2	~	7		N/A	N/A	N/A	A/A	
Joint STARS	DATE OF FIRST DELIVERY		MAY 99	MAR 00	JAN 01	10 NOC		*	*	*	*	
	AWARD DATE		DEC 96	MAY 97	OCT 97	OCT 98		NOV 95	96 AON	NOV 97	NOV 98	
	CONTRACTED BY		ESC/JSK	ESC/JSK	ESC/JSK	ESC/JSK		ESC/JSK	ESC/JSK	ESC/JSK	ESC/JSK	
AIRCRAFT	CONTRACT METHOD & TYPE		SS/FP	SS/FP	SS/FP	SS/FP		SS/FP	SS/FP	SS/FP	SS/FP	
AIRCRAFT PROCUREMENT,AF/BA04/OTHER AIRCRAFT	CONTRACTOR AND LOCATION		GRUMMAN/MELBOURNE	GRUMMAN/MELBOURNE	GRUMMAN/MELBOURNE	GRUMMAN/MELBOURNE		GRUMMAN/MELBOURNE	GRUMMAN/MELBOURNE	GRUMMAN/MELBOURNE	GRUMMAN/MELBOURNE	
AIRCRAFT PRO	COST ELEMENT/ FISCAL YEAR	AIRFRAME	FY96	FY97	FY98	FY99	SUPPORT	FY96	FY97	FY98	FY99	

NOTE: FIRST EIGHT AIRCRAFT WILL BE ON A LOW RATE INITIAL PRODUCTION (LRIP) CONTRACT (REFERENCE UNDER SECRETARY OF DEFENSE (A&T) MEMORANDUM JOINT STARS (JSTARS) PRODUCTION (U) JUN 15, 1995).

* Support Cost consist of items such as PSE, CSE, Training. Date of first delivery will be lead time to support A/C delivery schedule

FY94/95 BUDGET, PRODUCTION SCHEDULE	N SCHEDI	TE		P-1 II EM NON	i							,									;	i	-	16-09-1												
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BUDGET ITEM JUSTIFICATION SHEET	Date: Feb 97
APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
AIRCRAFT PROCUREMENT (ADV BUY) / BA04, OTHER AIRCRAFT	Joint STARS

	Prior	FY 1996	LY1997	FY1998	FY 1999	FY 2000 FY 2001	FY 2001	FY 2002	FY 2003	Total
QUANTITY										
COST (In Millions)	554.6	8.56	141.0	22.4	103.0	125.4	120.0	0	0	1162.2

MISSION AND DESCRIPTION:

other system planned to provide real-time wide area surveillance of the Corps battlefield, closed-loop target detection and tracking and real-time segments (airborne and ground). Joint STARS is unique because it is a closed-loop system for real-time detection, tracking and attack of enemy service. The Joint STARS system provides real-time surveillance of the battlefield and rear echelons. The system detects, identifies, and tracks maneuver, in order to apply effective and timely maneuver of forces, battlefield management, and targeting of artillery and rockets. There is no attack targeting against first and second echelon armor. JSTARS provides a 2-5 day advanced look at enemy second-echelon target detection, ground moving targets, using moving target indicator and synthetic aperture radar techniques. Joint STARS integrates the accurate attack of tracking and real-time targeting permits the direction of direct attack aircraft, artillery, and standoff missiles against moving ground targets in The Joint Surveillance Target Attack Radar System (Joint STARS) is a Joint Army and Air Force program, with the Air Force as the lead enemy forces by providing position updates and precise enemy location in real-time to direct attack aircraft, friendly artillery and standoff enemy armor and vehicular traffic and provides their locations to the AF and Army Commanders to assess intentions and manage primary missiles. The Army Corps Commander requires wide area surveillance information to understand enemy force buildups and scheme-ofreal-time, compared with current interdiction missions which are performed on a preplanned basis.

FY98 PROGRAM JUSTIFICATION:

The advanced buy funding identified is for long lead procurement of those items detailed on the P-10.

FY99 PROGRAM JUSTIFICATION:

The advanced buy funding identified is for long lead procurement of those items detailed on the P-10.

JOTE.

FY97 Advance Buy funds include funding for FY98 aircraft (P11 - \$55.6M), FY99 aircraft (P12 - \$55.5M), and FY99 aircraft ((P13 - \$29.8M) (partial requirement)). FY98 Advance Buy funding of \$22.4M funds the balance of FY99 aircraft (P13 - Long Lead requirements). FY95 Advance Buy included \$99.9M for the procurement of remaining aircraft platforms and mission equipment (FY96-02)

UNCLASSIFIED

EXHIBIT P-40

WEAPON SYSTE	EAPON SYSTEM ADVANCE PROCUREME (PROCUREMENT OF ADVANCE DESIGN	WEAPON SYSTEM ADVANCE PROCUREMENT EXHIBIT (P-10a) (PROCUREMENT OF ADVANCE DESIGN AND MATERIAL)	0a)	PRIOR YEAR FOR FISCAL YEAR PROGRAM: FY 1995 for FY 19	YEAR PROGRAM: FY 1995 for FY 1996	И: 1996
	(TOA, DOLLARS IN THOUSAND)	IN THOUSAND)		Date	Feb-97	
Advance Procurement/Advance Funding Items	Quantity	Date Contract Award Planned/Required	Delivery Date of First Equipment Required	Production Lead Time in Months (Admin/Prod) - Total	Total Cost	Actual Contract Cost
BASIC CONTRACT EFFORT	2	Jul-95	FY99	(5/12) 17	128.2	127.5
OVER AND ABOVE MODIFICATIONS	2	Jul-95	FY99	(5/12) 17	41.0	40.9
CONFIGURATION UPDATE	2	Jul-95	FY99	(5/12) 17	1.3	1.3
DIMINISHING MANUFACTURING	7	Jul-95	FY99	(5/12) 17	5.0	5.0
MULTI-YR AIRCRAFT BUY	7	Jul-95	FY99	(5/12) 17	41.5	29.3
MILSTRIP	8	Jul-95	FY99	(5/12) 17	0.3	0.3
SUBTOTAL					217.3	204.2
EOQ (MYP)						
SUBTOTAL					0.0	0.0
TOTAL					217.3	204.2
NADBATIVE DESCRIBITION:						

NARRATIVE DESCRIPTION:
The Joint STARS Production Process requires approximately a 45 month cycle. The funding associated with each lot is active for 3 years thus Advance Buy Funding is required to complete the 45 month production cycle. The two major long lead items for the Joint STARS program are aircraft refurbishment/modification and electronics. Other items included in the Advance Buy funding are Diminishing Manufacturing, configuration update, and MILSTRIP requirements.

The Multi-year category includes airframe purchases, storage, inspections, and selection costs.

Actuals through 31 Dec 96

WEAPON SYSTE (PROCUREME	M ADVANCE PRO	WEAPON SYSTEM ADVANCE PROCUREMENT EXHIBIT (P-10) (PROCUREMENT OF ADVANCE DESIGN AND MATERIAL)	, (0	CURRENT YEAR FOR FISCAL YEAR PROGRAM: FY 1996 for FY 1997	AL YEAR PROGRAM FY 1996 for FY 1997	AM:
	(TOA, DOLLARS IN THOUSAND)	N THOUSAND)		Date		
Advance Procurement/Advance Funding Items	Quantity	Date Contract Award Planned/Required	Delivery Date of First Equipment Required	Production Lead Time in Months (Admin/Prod) - Total	Unit Cost	Total Cost
BASIC CONTRACT EFFORT	2	Jul-96	FY00	(5/12) 17	34.7	69.5
OVER AND ABOVE MODIFICATIONS	2	Jul-96	FY00	(5/12) 17	11.0	22.0
CONFIGURATION UPDATE	2	Jul-96	FY00	(5/12) 17	1.0	2.0
DIMINISHING MANUFACTURING	8	96-Jnf	FY00	(5/12) 17	1.0	2.0
MILSTRIP	2	Jul-96	FY00	(5/12) 17	0.2	0.3
SUBTOTAL					47.9	95.8
EOQ (MYP)						
SUBTOTAL					0.0	0.0
TOTAL					47.9	95.8
NARRATIVE DESCRIPTION:						

The Joint STARS Production Process requires approximately a 45 month cycle. The funding associated with each lot is active for 3 years thus Advance Buy Funding is required to complete the 45 month production cycle. The two major long lead items for the Joint STARS program are aircraft refurbishment/modification and electronics. Other items included in the Advance Buy funding are Diminishing Manufacturing, configuration update, and MILSTRIP requirements.

WEAPON SYSTE	EM ADVANCE PRO RISON OF REQUE	WEAPON SYSTEM ADVANCE PROCUREMENT EXHIBIT (P-10) (COMPARISON OF REQUEST TO EXECUTION)	١ (٥	BUDGET YEAR 1 FOR FISCAL YEAR PROGRAM: FY 1997 for FY 1998	AL YEAR PROGRAM FY 1997 for FY 1998	AM:
	(TOA, DOLLARS IN THOUSAND)	N THOUSAND)		Date	Feb-97	
Advance Procurement/Advance Funding		Date Contract Award	Delivery Date of First	Production Lead Time in Months (Admin/Prod) -		
Items	Quantity	Planned/Required	Equipment Required	Total	Unit Cost	Total Cost
BASIC CONTRACT EFFORT	2.5	Dec 96 (P-11) Oct 97 (P12 13)	FY01	(5/12) 17	46.7	116.7
OVER AND ABOVE MODIFICATIONS	2.5	Dec 96 (P-11)	FY01	(5/12) 17	0.89	000
		Oct 97 (P12,13)				
CONFIGURATION UPDATE	2.5	Dec 96 (P-11) Oct 97 (P12.13)	FY01	(5/12) 17	0.8	2.0
DIMINISHING MANUFACTURING	2.5	Dec 96 (P-11)	FY01	(5/12) 17	0.8	2.0
	,	Oct 97 (P12,13)				
MILSIRIP	2.5	Dec 96 (P-11)	FY01	(5/12) 17	0.1	0.3
		Oct 97 (P12,13)			****	
SUBTOTAL					56.4	141.0
EOQ (MYP)						
SUBTOTAL					0.0	0.0
TOTAL					56.4	141.0
NARRATIVE DESCRIPTION:						

complete the 45 month production cycle. The two major long lead items for the Joint STARS program are aircraft refurbishment/modification and electronics. Other items included in The Joint STARS Production Process requires approximately a 45 month cycle. The funding associated with each lot is active for 3 years thus Advance Buy Funding is required to the Advance Buy funding are Diminishing Manufacturing, configuration update, and MILSTRIP requirements. FY97 Advance Buy funds include funding for P11 (\$55.6M), P12 (\$55.5M), and P13 (\$29.8M) ((partial requirement)). FY98 Advance Buy funding of \$22.4M are balnace of P13 Long Lead funds.

WEAPON SYSTE	EM ADVANCE PRO RISON OF REQUE	WEAPON SYSTEM ADVANCE PROCUREMENT EXHIBIT (P-10) (COMPARISON OF REQUEST TO EXECUTION)	. (0)	BUDGET YEAR 2 FOR FISCAL YEAR PROGRAM: FY 1998 for FY 1999	CAL YEAR PROGRAM FY 1998 for FY 1999	AM:
	(TOA, DOLLARS IN THOUSAND)	N THOUSAND)		Date	Feb-97	
Advance Procurement/Advance Funding		Date Contract Award	Delivery Date of First	Production Lead Time in Months (Admin/Prod) -		
Items	Quantity	Planned/Required	Equipment Required	Total	Unit Cost	Total Cost
BASIC CONTRACT EFFORT	0.5	1QTR FY98 (P13)	FY02	(5/12) 17	N/A	22.4
OVER AND ABOVE MODIFICATIONS	0.5	1QTR FY98 (P13)	FY02	(5/12) 17		
CONFIGURATION UPDATE	0.5	1QTR FY98 (P13)	FY02	(5/12) 17		
DIMINISHING MANUFACTURING	0.5	1QTR FY98 (P13)	FY02	(5/12) 17		
MILSTRIP	0.5	1QTR FY98 (P13)	FY02	(5/12) 17		
SUBTOTAL					0.0	22.4
EOQ (MYP)						
SUBTOTAL					0.0	0.0
TOTAL					0.0	22.4
NARRATIVE DESCRIPTION:						-
I he Joint STARS Production Process requires approximately a 45 month cycle. The funding associated with each lot is active for 3 years thus Advance Buy Funding is required to	ures approximately	a 45 month cycle. The fur	iding associated with each	lot is active for 3 years thus A	dvance Buy Fundin	ig is required to

complete the 45 month production cycle. The two major long lead items for the Joint STARS program are aircraft refurbishment/modification and electronics. Other items included in the Advance Buy funding are Diminishing Manufacturing, configuration update, and MILSTRIP requirements.

FY98 Advance Buy funds include funding for P13 (partial requirement). Balance P13 Advance Buy funds (\$29.8M) funded in FY97.

BUDGET ITEM JUSTIFICATION SHEET	Date: Feb 97
APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
AIRCRAFT PROCUREMENT/BA04, OTHER AIRCRAFT	PREDATOR UNMANNED AERIAL VEHICLE

		2000	E174000	TY74000	0000 XX	EV 2001	EV 2002	FV 2003	To Comn	Total
	FY96/Prior	KY 1997	F Y 1998	FILSSS	F X 2000	F I 2001	7007 1 1	_	TO COMP	TOTAL
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ATTRITION A/V		∞	3	3	9	_	1	1		07
			4 4 4 4	0.01	7 6 7	0)	67	0 3	-	3600
COST (In Millions)		107.8	116.5	79.3	45.1	6.3	0.7	0.5	0	200.0

MISSION AND DESCRIPTION:

ground support equipment. Six Ground Control Stations, three Trojan Spirits and twenty-one air vehicles (of which two were combat losses) with various payloads were EO/IR and SAR payloads to support RDT&E efforts which include deicing, Mode IV IFF, and Air Traffic Control System (VOX), as well as additional Payloads, Heavy theater of operation in support of the peace keeping operations. Based on the operations performance, and maturity of the system, the Joint Staff has concluded that the acquired during the ACTD RDT&E program. The system has been successfully demonstrated in a number of CONUS exercises and has twice deployed to the Bosnia urgent requirement identified by the Joint Chiefs of Staff in July 1993. The requirement was for a long dwell (24-hour plus coverage of a target beyond line-of-sight), additional air vehicles, SARS, Ku-Band Data Links, Trojan Spirit IIs to bring original ACTD assets up to six complete operational systems (Note: the original ACTD imagery to the task force commander throughout his operational theater. The system is compatible with the current C4I architecture. A total of 13 systems of the 16 vehicles and spares. The Defense Airborne Reconnaissance Office (DARO) has also identified a need for an additional Ground Control Station and air vehicles with Predator System provides significant military utility. The Joint Staff identified a requirement for sixteen completely operational systems with additional attrition air evaluation, Interim Logistics Contractor Support, and Integrated Logistic Support. FY97 funding procures two complete systems, deicing kits attrition air vehicles, systems requirement is being procured. The operational configuration consists of four air vehicles, one Ground Control Station, one Trojan Spirit II and associated The Predator Medium Altitude Endurance (MAE) Unmanned Aerial Vehicle was acquired as an ACTD program using non-developmental assets in response to an Commander. The air vehicle carries electro-optical (EO), Infra-Red (IR), and synthetic aperture radar (SAR) sensors, and is capable of transmitting near real time autonomous, unmanned, reconnaissance system capable of operating over the horizon while providing real-time intelligence information to the Joint Task Force Fuel Engine and UAV CARS as required. Procurement funding includes system production, production support, engineering services, acceptance testing and systems only had three air vehicles, operational systems have four, and did not include all SARs, Trojan Spirits and logistics required)

FY 98 PROGRAM JUSTIFICATION:

FY98 funding supports the procurement of three systems and cut-in and retrofit of UHF/VHF Voice (VOX) and Mode IV IFF.

FY 99 PROGRAM JUSTIFICATION:

FY99 funding supports the procurement of two systems and continued retrofit of VOX and Mode IV IFF.

AIRCRAFT COST ANALYSIS	A. Apr	A. Appn/Budget					D. Date	Feb-97
EXHIBIT P-5	Activit	Activity Title/No.						
(Dollars in Millions)	10/35205F	205F	Predatc General	r Unma Atomic	Predator Unmanned Aerial Vehicle General Atomics / Northrop-Grumn	al Vehicle	Predator Unmanned Aerial Vehicle General Atomics / Northrop-Grumman/ Versitron	u
		QTY	_	QTY		QTY		QTY
	FY96		FY97	16	FY98	15	FY99	17
	Unit	Total	Cuit	Total	Unit	Total	Unit	Total
Predator Systems	Cost	Cost	Cost	Cost	Cost	Cost	Cost	Cost
System: Air Vehicles, Data Links, SARs, Ground Control Stations, and Trojan Spirit				70.4		81.6		55.5
P3I				6.1		5.5		5.6
Production Support				3.8		3.9		4.0
Interim Contractor Logistics Support				5.4		5.5		0.0
Integrated Logistics Support				22.1		20:0		14.2
TOTAL SYSTEM COST		00		107.8	- lo	ر بر	Ć	26.3
	>		>	0	>	2	5	0.0
NOTE: The FY97 funding includes additional air vehicles, SARs, Data Links, Trojan Spirits and Logistics Support to bring the original ACTD assets up to six complete operational systems.								
							Σ	EXHIBIT P-5

	A. Appringuager	1							D. Date	Feb-97
AND PLANNING EXHIBIT (P-5A) B. APPROPRIATION / BUDGET ACTIV Aircraft Procurment, Air Force	Activity Title/No.						Predator Unmani General Atomics	Predator Unmanned Aerial Vehicle General Atomics / Northrop-Grumman/ Versitron	e man/ Versitror	
Cost ElemenV		UNIT	LOCATION	RFP ISSUE	CONTRACT	CONTRACTOR	AWARD	DATE OF FIRST	SPECS	IF YES
FISCAL YEAR	QUANTITY	COST	OF PCO	DATE	METHOD & TYPE	AND LOCATION	DATE	DELIVERY	AVAILABLE NOW	WHEN AVAIL
Predator										
FY97										
Systems	2.0	N/A	PEO(CU) - UAV JPO		SS/FFP	SS/FFP General Atomics	Mar-97	Dec-97	Yes	
KU-Band SATCOM		N/A	PEO(CU) - UAV JPO		SS/FFP.	SS/FFP Lockheed Martin	Mar-97	May-98	Yes	
SAR Payload		N/A	PEO(CU) - UAV JPO		SS/FFP	SS/FFP Northrop Grumman	Mar-97	May-98	Yes	
Trojan Spirit II		NA	СЕСОМ		CP/FFP	CP/FFP Electro Space Sys Richardson TX	Jul-97	Aug-98	Yes	
FY98										
Systems	3.0	NA	PEO(CU) - UAV JPO		SS/FFP	SS/FFP General Atomics	Mar-98	Dec-98	Yes	
KU-Band SATCOM		N/A	PEO(CU) - UAV JPO		SS/FFP	SS/FFP Lockheed Martin	Mar-98	Dec-98	Yes	
SAR Payload		N/A	PEO(CU) - UAV JPO		SS/FFP	SS/FFP Northrop Grumman	Mar-98	Dec-98	Yes	
Trojan Spirit II		N/A	СЕСОМ		CP/FFP	CP/FFP Electro Space Sys	96-Inc	Aug-99	Yes	
FY99	c		2000		i i			6	>	
Systems	2.0	Y/A	reu(cu) - uav aru		111/00	San Diego CA	Wal-ug	Dec-3a	Sez	
KU-Band SATCOM		N/A	PEO(CU) - UAV JPO		SS/FFP	SS/FFP Lockheed Martin	Mar-99	Dec-99	Yes	
SAR Payload		NIA	PEO(CU) - UAV JPO		SS/FFP	Salt Lake City, U1 SS/FFP Northrop Grumman Baltimore, MD	Mar-99	Dec-99	Yes	

FY98/99 BUDGET PRODUCTION SCHEDULE	RODUC	NOIL					4 4	4TT	ATO	NON U	P-1 ITEM NOMENCLATURE PREDATOR UNMANNED AE	LAT	URE D AE	RIA	L VE	P-1 ITEM NOMENCLATURE PREDATOR UNMANNED AERIAL VEHICLE	ш										DATE		Feb	'February 1997	y 19	26							m «
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		BUDGET ITEM J	BUDGET ITEM JUSTIFICATION SHEET	SHEET			DATE: February 1997	1997
	APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT AF (3010)	N/BUDGET ACT CUREMENT AF	DGET ACTIVITY EMENT AF (3010)/BA06					
	9661	1997	1998	1999	2000	2001	2002	2003
Replenishment Spares	146.170	97.742	60.120	62.127	62.488	63.420	84.816	104.481
Initial Spares	395.320	72.904	289.890	369.589	502.381	544.933	533.442	690.234
TOTAL COST								
(MILLIONS)	541.490	170.646	350.010	431.716	564.869	608.353	618.258	794.715
MISSION AND DESCRIPTION	RIPTION							

Program Definition: Aircraft Replenishment Spares (Budget Program 150000);

to depot repair (XD items) and are not discarded until depot repair is no longer economical. The requirement is based on an item specific failure/demand driven computation that supports the flying hour program leadtime away. The average leadtime is three years. Example items include landing gear struts, fire control computers, inertial navigation units, and engine turbine wheels. This program finances AFSF exempt investment spares and repair parts needed to provide spares support for all aircraft and support equipment. Investment items are distinguished from expendable items in that investment items are subject

2) funding for non-stocklisted items supporting contractor logistics support (CLS) systems moved to appropriation 3400 (O&M). programs, i.e., DARP and COMPASS CALL. These items are not managed by the Standard Base Supply System (SBSS), thus are exempt from the stock fund concept. During the 98 BES two initiatives changed BP 15 funding 1) cartridge actuated or propellant actuated devices (CAD/PAD)--items for aircraft ejection systems--transferred to appropriation 3011, BP 35, and The only replenishment spares funds remaining in this central procurement account are for spares in support of classified

Program Definition: Aircraft Initial Spares (Budget Program 160000):

This program finances whole spare engines and modules and reparable investment items including some items being newly introduced to the AFSMBA (DBOF) will be reimbursed by this central procurement account as the funds actually outlay. The effect of this change was a shift of funds to the right which may give the appearance of ramping requirements. However, it is important to note that this means that the funds Air Force Inventory. Beginning in FY94, most initial spares were procured through the AFSMBA (DBOF). As the funds are expended, the budgeted in FY95 and FY96 for example largely represent the payments for obligations already incurred by the DBOF but is really a shift in financing strategy. Initial spares are funded in the four program segments described on the attached page.





DD FORM 2454



Initial Weapon System Spares. (Budget Program 161000)

This program finances whole spare engines and engine modules, aircraft spares, and peculiar ground support equipment spares to support initial operations of new aircraft.

Common Ground Support Equipment (GSE) Spares. (163000)

This program finances spares required to support new or replacement aircraft common support equipment.

Aircraft Modification Spares. (Budget Program 164000)

This program finances new spare parts needed during the initial operation of modified airborne systems.

Other Production Spares. (Budget Program 169000)

This program finances spare parts introduced to the inventory for the first time in support of other production charges - BP1900 (e.g. spares for electronic countermeasure pods and special classified systems).

FY97 Program Justification:

The FY97 total aircraft spares request decreased primarily due to rephasing of initial spares based on revised delivery pattern. The C-17, E-8, B-2 and aircraft modification programs continue to make up the bulk of the budget request.

Funding Summary:	1006	1007	1000	1000	0000	1000	0000	0000	
	1330	1881	1998	1999	0007	7007	7007	2003	
REPLENISHMENT SPARES	146.170	97.742	60.120	62.127	62.488	63.420	84.816	104.481	
INITIAL SPARES									
INITIAL WEAPON SYS SPARES	268.653	49.119	191.779	269.235	393.872	374.927	393.305	507.873	
COMMON GSE SPARES	3.096	1.956	12.697	15.524	15.762	27.503	27.097	27.170	
MODIFICATION SPARES	115.455	11.199	67.534	66.468	72.761	103.822	92.035	135.100	
OTHER PRODUCTION SPARES	8,116	10.630	17.880	18.362	19.986	38.681	21.005	20.091	
TOTAL INITIAL SPARES	395.320	72.904	289.890	369.589	502.381	544,933	533.442	690.234	
TOTAL SPARES & REPAIR PARTS	541.490	170.646	350.01	431.716	564.869	608.353	618.258	794.715	

P-I LINE END ITEM NOMENCLATURE 2 CLASSIFIED PROGRAMS 3 CAD/PAD	JRE FY 1996 47.204 77.787 21.179	50.804 10.729	FY 1998	FY 1999
	47.204	36.209		
	21.179	50.804	0000	0.000
	21.179	10.729	60.120	62.127
			0.000	0.000
TOTAL REPLENISHMENT SPARES	ES 146.170	97.742	60.120	62.127

	REPLENISHMENT SPARES FUNDIN AIRCRAFT PROCUREMENT, BUDGE	UNDING SUMMARY BUDGET ACTIVITY 06			DATE FEB 1997
P-1 LINE	END ITEM NOMENCLATURE	FV 1996	FY 1997	FY 1998	FY 1999
	CLS SYSTEMS/TRAINERS SPARES:				
1	KC-10A	13.914	8.022	00000	0.000
2	TAC SYSTEMS/SIMULATORS	0.602	0.665	0000	0.000
3	SPECIAL MISSION AIRCRAFT	7.703	4.350	0.000	0.000
4	OPS SUPPORT AIRCRAFT	2.383	1.368	0.000	0.000
5	NAVIGATION TRAINERS	0.807	0.461	0.000	0.000
9	NEACP OPERATIONS	4.330	3.099	0.000	0.000
7	F-117	16.366	17.616	0.000	0.000
8	SOUTHCOM SHORT TAKEOFF LANDING (STOL)	1.099	0.628	0.000	0.000
	TOTAL CLS REPLEN SPARES	47.204	36.209	0	0

P-1 LINE	AINCRAFI INOCOREMENT, BODGEL ACTIVITI OF	ACTIVITY 00			FEB 1997
S	END ITEM NOMENCLATURE	FY 1996	FY 1997	FY 1998	FY 1999
	CLASSIFIED SYSTEM SPARES:				
1 C	COMPASS CALL (RIVET FIRE)	17.568	1.273	5.867	6.325
2 S	SPECIAL RECON	2.911	1.831	0000	0.000
3	CENTCOM	1.578	1.299	00000	0.000
4 D	DARO	55.136	46.401	54.253	55.802
5 1	MANNED DESTRUCTIVE SUPRESSION	0.594	0000	0.000	0.000
T	TOTAL CLASS REPLEN SPARES	787.77	50.804	60.120	62.127

	REPLENISHMENT SPARES FUNDING SUMMARY AIRCRAFT PROCUREMENT, BUDGET ACTIVITY 06	IG SUMMARY ET ACTIVITY 06			DATE FEB 1997
P-1 LINE	END ITEM NOMENCLATURE	FY 1996	FY 1997	FY 1998	FY 1999
	MUNITIONS CODE ITEMS SPARES:				
_	CAD/PAD	21.179	10.729	0	
	TOTAL MUNITIONS REPLEN SPARES	21.179	10.729	0	

END ITEM NOMENCLATURE	FY 1996	FY 1997	FY 1998	FY 1999
WEAPON SYSTEM SPARES	268.653	49.119	191.779	269,235
SUPPORT EQUIPMENT SPARES	3.096	1.956	12.697	15.524
MODIFICATION SPARES	115.455	11.199	67.534	66.468
OTHER PRODUCTION SPARES	8.116	10.630	17.880	18.362
			:	
TOTAL INTITAL SPARES	395,320	72,904	289.890	369.589

PAGE 1 OF 2 EXHIBIT P-18A | 2 |

DD FORMS 2442-1

	INITIAL SPARES FUNDING AIRCRAFT PROCUREMENT, BUDGET ACTIVITY 06	ING SET ACTIVITY 06			DATE FEB 1997
-1 LINE	E END ITEM NOMENCLATURE	FY 1996	FY 1997	FY 1998	FY 1999
-	F-16	7.923	0	0	0
2	C-130	8.412	6.050	0.746	0
3	8-3	68.753	0	34.558	94.452
4	C-17	79.985	4,358	88.800	121.581
S.	B-2	80.954	34.950	67.675	27.207
9	NEW AETC AIRCRAFT	21.226	0	0	0
7	F-22	0	0	0	25.995
∞	C-20	1.400	3.761	0	0
6	SUPPORT EQUIPMENT SPARES	3.096	1.956	12.697	15.524
10	MODIFICATION SPARES	115.455	11.199	67.534	66.468
11	OTHER PRODUCTION SPARES	8,116	10.630	17.880	18.362
	TOTAL INITIAL SPARES	395.320	72.904	289.890	369,589

FY 98/99 PRESIDENT'S BUDGET
BP12 COMMON SUPPORT EQUIPMENT
FEBRUARY 1997



	FEBRUARY 1997		FY98	FY99	66
NOON	NSN	QTY	AMOUNT	QTY /	AMOUNT
Compressor, Gas Turbine A/M32-A-95	2835-01-390-1807YZ	41	20.813	41	21.541
Compass Calibrator	4920-01-328-3419NT	33	2.816	0	0.000
Hydraulic Component Test Stand	4920-00-450-0553	0	0.000	42	8.259
Interim Contractor Support (ICS)			2.425		1.850
Generator Test Stand	4920-01-395-4067	28	4.646	0	0.000
Stores Management Test Set	4920-01-302-1170WF	51	7.672	0	0.000
Stores Release Test Set	4920-01-302-1169WF	26	6.836	0	0.000
Air Conditioner, PD501	4120-01-167-5470	13	3.840	0	0.000
Air Conditioner, MA-3D	4120-00-998-6673	59	3.418	0	0.000
Joint Service Electronic Combat System Tester	NSL	0	0.000	38	17.324
New Generation Heater	NSL	0	0.000	1200	12.000
Truck Mounted Deicer	1730-00-555-6205	51	10.729	62	13.764
Noise Suppressor, Large Turbo Fan Engine	4920-01-082-1095		3.046	0	0.000
MJ-40 Lift Truck	1730-01-147-1735	33	9.871	12	3.670
Self-Generating Nitrogen Servicing System	3655-01-347-9055	2	0.750	233	16.688
Universal Maintenance Stand, Diesel, Split Deck	1730-01-370-4268	53	7.144	6	1.283
R.F. BRAT Ruggedized	4920-NC-D01-5256DQ	7	15.270	0	6.200
Radar Test Station	4920-01-413-9279DQ	5	12.103	0	6.400
MHU-110 Munitions Trailer	1740-00-403-8235	0	0.000	85	3.676
C-5 Empennage Stand	1730-00-158-3039	-	1.327	5	4.223
Automatic Tester	4920-01-282-4191DQ	12	3.790	0	0.000
Maintenance Platform, High Reach	1730-01-249-0097	7	4.453	0	0.000
Items Less Than \$2 Million			30.289		48.505
11.101			154 000		165 000

		BUDG	BUDGET ITEM JUSTIFI	JUSTIFICATION			DATE FEBRUARY 1997	RY 1997
APPROPRIA	APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPM	COMMON SUPPO	RT EQUIPMENT	70	BUDGET PI	BUDGET PROGRAM 1200 OVERVIEW	VERVIEW	
	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03
QUANTITY								
COST (In Mil)	\$207.872	\$160.092	\$151.238	\$165.383	\$193.143	\$200.951	\$177.051	\$176.423

aircraft maintenance and servicing requirements. These replacement requirements ensure continuation of serviceable, supportable equipment over the life of a production aircraft. These items, common (used on more than one weapon system) and peculiar (unique to one weapon system), are used in direct support of A. DESCRIPTION/FUNCTION: This program procures replacement organizational and intermediate (common and peculiar) support equipment for out-ofweapon system.

B. PURPOSE OF PROCUREMENT: Items being replaced range in age from 10 to 30 years old, have frequent failures and spare parts which are no longer available or not economical to repair. Many items are technologically obsolete or are being replaced due to environmental operating constraints.

C. APPLICATION: All Air Force maintained aircraft weapon systems requiring replacement equipment.

D. REQUIREMENTS: Justification is for fiscal years 1998 and 1999. Items of equipment budgeted include: avionics test stations, air conditioners, munitions handling equipment, jet engine test stands, electronic test sets, noise suppressors, fuel servicing carts, generators, maintenance platforms and automatic test equipment.

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PAGE NO.

P-1 SHOPP LIST ITEM NO.

		BUDG	BUDGET ITEM JUSTIFI	I JUSTIFICATION BIT P-40)			DATE FEBRUARY 1997	Y 1997
APPROPRI	APPROPRIATION/BUDGET ACTIVITY	TIVITY	ET EQUIDMENT	P-1 ITEM NOME	NCLATURE Com	P-1 ITEM NOMENCLATURE Compressor, Gas Turbine A/M32A-95 NSN: 2835-01-390-1807YZ	ine A/M32A-95 7YZ	
AIHCHAFI	PHOCUREMENT,	EV 07	EV 98	FY 99	FY 00	FY 01	FY 02	FY 03
VIIANTITY	134	194	141	141	0	0	0	0
ACCEPTANT IN MAIN	447 207	\$26.049	\$20.813	\$21.541	\$0	\$0	\$0	\$0

A. DESCRIPTION/FUNCTION: The A/M32A-95 Gas Turbine Compressor, also known as the Large Aircraft Start System (LASS), is a towable, four-wheeled system. The LASS is used to furnish pneumatic pressure/power for ground support of aircraft systems. Its primary mission is to start engines for a variety of aircraft. This is accomplished via a delivery hose which connects to the aircraft's engine(s) and provides compressed air for starting and performing other chassis mounted trailer. It consists of an enclosure assembly which houses a turbine engine, fuel, electrical, and lubrication system, and an air delivery functions that require large volumes of compressed air. The LASS is 116"X 62"X 68" and weighs 3000 pounds.

(PSIA) as compared to the LASS's 150 pounds at 48 PSIA. The LASS will use a GTC85-180 series 6 Garrett engine versus the MA-1A's GTC85-70A engine; increased without a corresponding growth in starting unit capacity/capability. The MA-1A only provides 90 pounds of air at 45 pounds per square inch actual adequate output to support engines in use at that time. During the intervening years, the size and air requirements of aircraft engines and accessories have the new technology via control of fuel flow on demand will provide a cost savings in terms of fuel use efficiency. Unlike the MA-1A, which ran at 100 percent B. PURPOSE OF PROCUREMENT: The MA-1A Air Start Carts currently in use in the inventory were designed in the 1955-1957 time frame and provided from start, the LASS will start and run at 40 percent and respond/operate at 100 percent when the bleed air valve is opened.

C. APPLICATION: This unit supports all aircraft having air start capability, including the B-52, C-5, C-17, C-130, C-135, C-141, E-3, E-4 and T-38.

D. REQUIREMENTS: FY98 - 141 shortages

FY99 - 4 shortages, 137 replacements

E. IMPACT: The MA-1A currently in use does not provide an adequate output of air which is required for the start of the newer generation of aircraft engines. In addition, the increasing age and shortage of parts to repair the MA-1A further necessitates the procurement of the LASS as a replacement. Failure to fund the LASS would result in the loss of large aircraft engine start capability.

F. TYPE ITEM CODE: A

G. ANG/AFR:

FY97:

QTY/DOLLARS 28/\$3.889 ANG

QTY/DOLLARS 13/\$1.806 PAGE NO. P-1 SHOPP LIST ITEM NO.

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Cost Element CONTRACTOR/ LOCATION CONTRACTOR/ METHOD CONTRACTED AWARD DATE OF FIRST DATE OF PELIVERY OPTION AFMC/SA-ALC AWARD DATE OF PELIVERY QUITY SPECS AVAIL DELIVERY LIBBY INT LIBBY INT LIBBY INT LIBBY INT OPTION AFMC/SA-ALC AFMC/SA-ALC NOV 96 NOV 96 NOV 98 APR 98 141 194 141 129,302 141 YES	B. APPROPRIATION/BUDGET AC AIRCRAFT PROCUREMENT, COM	TIVITY IMON SUPPORT EQL	JIPMENT		C. P-1 IT	EM NOMEN A/N	CLATURE C	COMPRESSO N: 2835-01-3	R, GAS 90-1807	TURBIN	ш
LIBBY INT OPTION AFMC/SA-ALC MAR 96 AUG 97 134 129,302	Cost Element/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT	SPECS AVAIL NOW	SPEC REV REQ'D	WHEN WHEN AVAIL
LIBBY INT OPTION AFMC/SA-ALC NOV 96 APR 98 194 138,910 LIBBY INT OPTION AFMC/SA-ALC NOV 97 FEB 99 141 146,723 LIBBY INT OPTION AFMC/SA-ALC NOV 98 SEP 99 141 152,774	FY96	LIBBY INT KANSAS CITY, MO	OPTION	AFMC/SA-ALC	MAR 96	AUG 97	134	129,302			
LIBBY INT OPTION AFMC/SA-ALC NOV 97 FEB 99 141 146,723 LIBBY INT OPTION AFMC/SA-ALC NOV 98 SEP 99 141 152,774	FY97	LIBBY INT	OPTION	AFMC/SA-ALC	NOV 96	APR 98	194	138,910	YES	2	
LIBBY INT OPTION AFMC/SA-ALC NOV 98 SEP 99 141 152.774	FY98	LIBBY INT	OPTION	AFMC/SA-ALC	VOV 97	FEB 99	141	146,723	YES	9	
	FY99	LIBBY INT	OPTION	AFMC/SA-ALC	NOV 98	SEP 99	141	152,774	YES	2	

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P-1 SHOPPING LIST ITEM NO. 63 UNCLASSIFIED

Page 2 of 2 Pages Exhibit P-21 Production Schedule \mid \geq \mid

REQUIREMENTS STUDY UNCLASSIFIED

AIRCRAFT PROCUREMENT, COMMON SUPPORT APPROPRIATION / BUDGET ACTIVITY:

EQUIPMENT

Due-in w/all Prior Years' Funds On Hand as of 31 Mar 96 Due-in w/FY97 Funds TOTAL ASSETS:

USAGE (Planned & Projected thru FY99 FDP)

FY98 since as of date:

FY99:

FY01:

FY00:

FY02:

PROCUREMENT LEADTIME: 16 months FOTAL DISPOSALS (_51 MONTHS)

NET ASSETS:

ACTUAL TRAINING EXPENDITURE

FY96 FY95 FY98 FY97

FY94

ACTUAL OTHER THAN TRAINING EXPENDITURE FY98

FY96 FY97 FY95

P-1 ITEM NOMENCLATURE: COMPRESSOR, GAS TURBINE NSN: 2835-01-390-1807YZ

DATE: FEBRUARY 1997

INVENTORY OBJECTIVE

	spi		
Number of Combat Loads	Assets Required for Combat Loads	Combat Expenditures	War Reserve Requirement
944	275	218	1437

Maintenance Pipeline **Annual Testing**

Annual Training

Air National Guard Requirement Air Force Requirement

879

367

Air Force Reserve Requirement

135 8

TOTAL REQUIREMENT

273

APPROVED ACQUISITION OBJECTIVE

1164

1446

1446

282

141

1164

1446

PROCUREMENT REQUIREMENT otal FY98 Requirement Less Net Assets

Required FY98 Procurement Planned FY98 Procurement

Total FY99 Requirement ess Net Assets

1446

1164

141

141

ess FY98 Planned Procurement

Required FY99 Procurement Planned FY99 Procurement

REMARKS:

P-1 SHOPP LIST ITEM NO. 63

UNCLASSIFIED

Exhibit P-20 Requirements Study

		BNDG	BUDGET ITEM JUSTIF (EXHIBIT P-40)	JUSTIFICATION IT P-40)			DATE: FEBRUARY 1997	ARY 1997
APPROPRI	APPROPRIATION/BUDGET ACTIVITY	STIVITY	1	P-1 ITEM NOMENCLATURE Compass Calibrator MC-2000	ICLATURE Com	pass Calibrator M	C-2000	
AIRCRAFT	AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT	COMMON SUPPC			NSN	NSN: 4920-01-328-3419NT	LNG	
	FY 96	FY 97	FY 98	FY 99	EV 00	EV 01	EV 03	20 72
QUANTITY	7.0	c	00			5	11 02	20 17
	7/	0	33	0	0	0	c	_
COST (In Mil)	\$6.049	\$0	\$2.816	0\$	0\$	6	60	5
						2	200	7.

A. DESCRIPTION/FUNCTION: The MC-2000 Compass Calibrator Set is used to perform magnetic compass system alignment when a compass system is installed or one of its components is replaced on an aircraft. The compass system provides primary heading information to aircraft flight instruments used for aircraft navigation.

Compass Rose. A Compass Rose is physically embossed onto a remote area of the maintenance ramp and is used to align the aircraft axis to the magnetic headings required to calibrate the compass. The MC-2000 also automatically compensates for changing magnetic fields and it will reduce time required to complete compass B. PURPOSE OF PROCUREMENT: The MC-2000 is compatible with the current state-of-the-art compass systems whereas existing calibrators are not compatible. Existing calibrators are 1960s technology and have low reliability. The MC-2000 set reduces calibration time by at least fifty percent. The MC-2000 Compass Calibrators will increase mission readiness due to shorter aircraft servicing time, is a fully supportable/maintainable system and eliminates the requirement for a swings, reduce training requirements and reduce the size and complexity of the calibrator hardware.

C. APPLICATION: Multiple aircraft

D. REQUIREMENTS: FY98 - 33 shortages

and mobility aircraft where older calibrators are not adequate for compass calibration/alignment. Current systems are unreliable. Depot repair is increasingly difficult due E. IMPACT: Without the MC-2000 Compass Calibrator, there will be no capability to calibrate compass systems on SOF aircraft, the B-1B and other strategic, tactical to obsolete parts and increasing negative response from vendors for new procurement and/or repair. Without calibration support, aircraft will be grounded.

F. TYPE ITEM CODE: A

QTY/DOLLARS 15/\$.981 FY96 FY98 G. ANG/AFR:

20/\$1.328

QTY/DOLLARS 13/\$.850 3/\$.199

PAGE NO.		
P-1 SHOPP LIST	ITEM NO. 63	

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	WE	APON	SYSTE	WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	IALYSI!	S EXHIE	3IT (P-5)				D. DATE Feb	ATE FEBRUARY 1997	7 1997
A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO. AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT	COMM	VIIV NO	B. WEAPON COMPASS CA NSN: 4920-01		/SERIES TOR MC:	/ POPUL	WODEL/SERIES/ POPULAR NAME LIBRATOR MC-2000 -328-3419NT		C. MANUFAC LOCATION HONEYWELL ALBUQUERG	C. MANUFACTURER NAME/PLANT/ CITY/STATE LOCATION HONEYWELL ALBUQUERQUE, NM	NAME/F	LANT/ C	TY/STATE
Weapon System Cost Elements	IDENT		FY 96	ဖ		FY 97			FY 98	ထ		FY 99	
		оту	COST	TOTAL COST	ΔТΩ	UNIT	TOTAL COST	QTY	COST	TOTAL COST	ату	UNIT	TOTAL COST
COMPASS CALIBRATOR WARRANTY	4	72	65,375	4.707		0	0\$	33	66,400	2.191	0		\$
TOTAL				\$6.049			0\$			\$2.816			0\$

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2

PAGE NO.

P-1 SHOPP LIST ITEM NO. 63

Exhibit P-5 Weapon System Cost Analysis

DODA	BUDGET PROCUREMENT H	NT HISTORY	ISTORY PLANNING EXHIBIT (P-5A)	EXHIBIT	(P-5A)			A. DATE	DATE FERBIIARY 1997	1007
B. APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT	TIVITY WMON SUPPORT EQU	UPMENT	n dollars)	C. P-1 ITI NSN: 49	C. P-1 ITEM NOMENCLATU NSN: 4920-01-328-3419NT	CLATURE 419NT	C. P-1 ITEM NOMENCLATURE COMPASS CALIBRATOR MC-2000 NSN: 4920-01-328-3419NT	ALIBRAT	TOR MC-	2000
Cost Element/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY		AWARD DATE OF DATE OF DATE OF DELIVERY	QUANTITY	COST	SPECS AVAIL NOW	SPECS SPEC AVAIL REV NOW REQ'D	IF YES, WHEN AVAIL

97 72 65,375 89 33 66,400 YES NO		Exhibit P-5a Procurement History and Planning
196 AUG 97 198 AUG 99		NO.
AUG 98		PAGE NO.
AFMC/OC-ALC AFMC/OC-ALC		P-1 SHOPP LIST ITEM NO. 63
SS/FFP		
FY96 HONEYWELL FY98 HONEYWELL ALBUQUERQUE, NM	D. REMARKS UNIT COSTS FOR FY 96/98 ARE BASED ON A FY92 CONTRACT INFLATED.	

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Page 2 of 2 Pages Exhibit P-21 Production Schedule



REQUIREMENTS STUDY

DATE: FEBRUARY 1997

APPROPRIATION / BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

APPROPRIATION / BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT
ASSETS
On Hand as of 31 Mar 90
Due-in w/all Prior Years' Funds
Due-in w/FY97 Funds
TOTAL ASSETS:

DISPOSALS (Planned & Projected thru FY97 FDP) FY97 since as of date: FY98: FY99: FY90: FY00:

NET ASSETS: ACTUAL TRAINING EXPENDITURE - NA FY97 FY96 FY95

PROCUREMENT LEADTIME: 14 months

TOTAL DISPOSALS (40 MONTHS)

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FY94 FY93

96 95 94 93 MARKS					
	496	FY95	FY94	FY93	EMARKS:

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	28 28 28	168 168 135 33
P-1 ITEM NOMENCLATURE: COMPASS CALIBRATOR MC-2000 NSN: 4920-01-328-3419NT	Mumber of Combat Loads Assets Required for Combat Loads Combat Expenditures Combat Expenditures War Reserve Requirement Annual Training Annual Testing Annual Testing Annual Cesting Ali Force Requirement Ali Force Reserve Requirement Ali Force Reserve Requirement	APPROVED ACQUISITION OBJECTIVE 135 PROCUREMENT REQUIREMENT Total FY98 Requirement Less Net Assets Required FY98 Procurement Planned FY98 Procurement

P-1 SHOPPING LIST ITEM NO. 63 UNCLASSIFIED

PAGE NO. 1 OF 1

TAT	APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMC	B NC	JUSTI IT P-4 MENT	JUSTIFICATION IT P-40) P-1 ITEM NOMENCLATURE Test Stand, Hydraulic Component MENT NSN: 4920-00-450-0553 RS FY99 FY00 FY01 FY02	NCLATURE Test 8 NSN FY00	est Stand, Hydraulic Cor NSN: 4920-00-450-0553 FY01	DATE: FEBRUARY 1997 Component 53 FY02 FY02	RY 1997
	0	2	0	42	84	9/	0	0
	\$0	\$1.188	\$0	\$8.259	\$16.365	\$15.120	\$0	\$0

A. DESCRIPTION/FUNCTION: The Hydraulic Component Test Stand is comprised of two sections. The first section is the drive console which houses a drive controls, indicators, and ports used during test stand operation. The stand is used to check serviceability of aircraft components prior to installation, pressure panel, pump mounting pad, and skid that contains a variable speed direct current electric drive motor with associated parts. It also contains a high pressure system hydraulic pump with electric drive motor, volume control, high pressure filter, and ripple filter. The second section is a control console containing check locally manufactured hoses, and test repaired aircraft hydraulic components.

B. PURPOSE OF PROCUREMENT: Current test stands will have exceeded their service life by 5 to 10 years at the beginning of production deliveries. Most are becoming increasingly difficult and costly to maintain. This will be a total inventory replacement procurement program.

C. APPLICATION: Multiple aircraft

D. REQUIREMENTS: FY97 - 2 (First Articles)

FY98 - 0

FY99 - 12 shortages, 30 replacements

exceed these limits soon. Lack of proper hydraulic testing could result in possible failure of aircraft components, damage to equipment and aircraft as well as system due to obsolescence. The newer aircraft in the inventory have hydraulic pressure requirements in the upper limits of the current stands and may well expenditures because of decreasing mean-time-between failure (MTBF). Current stands have many parts that are no longer available through the supply E. IMPACT: Failure to procure this Hydraulic Component Test Stand will result in the continued costly repair of old, worn out units, and high manhour the loss of aircraft and aircrew lives.

F. TYPE ITEM CODE: A

G. ANG/AFR:

FY99:

ANG QTY/DOLLARS 18/\$3.414

QTY/DOLLARS 6/\$1.138

P-1 SHOPP LIST ITEM NO.	PAGE NO.	
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	WE	APON	SYSTE	WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	ALYSIS of dollars)	S EXHIE	3IT (P-5)				D. DATE Febi	ATE FEBRUARY 1997	Y 1997
A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO.	ACT	VITY	B. WEAPON		SERIES	/ POPUL	MODEL/SERIES/ POPULAR NAME	0 1	C. MANUF/ LOCATION	C. MANUFACTURER NAME/PLANT/ CITY/STATE LOCATION	NAME/F	LANT/ C	ITY/STATE
AIRCRAFT PROCUREMENT, COMMON SUPPORT FOUIPMENT	OMM	NO	TEST S NSN: 4	TEST STAND, HYDRAUI NSN: 4920-00-450-0553	HYDRAULIC COMPONENT -450-0553	OMPONE			UNKNOWN	Z		•	
Weapon System Cost Elements	IDENT		FY 96	96		FY 97			FY 98	80		FY 99	
		αTY	COST	TOTAL COST	ΩTY	UNIT	TOTAL COST	ΩTY	COST	UNIT TOTAL COST	QTY	UNIT	TOTAL COST

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COMMISSIONING ON SITE							0.00					294
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Exhibit P-5 Weapon System Cost Analysis		
PAGE NO.		
P-1 SHOPP LIST	ITEM NO. 63	

DONB	BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)	INT HISTORY PLAI	f PLANNING	EXHIBIT	(P-5A)			A. DATE FEBR	DATE FEBRUARY 1997	1997
B. APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT	SUPPORTE	JIPMENT		C. P-1 ITE COMPON	ENT NSN:	C. P-1 ITEM NOMENCLATURE TEST S COMPONENT NSN: 4920-00-450-0553	C. P-1 ITEM NOMENCLATURE TEST STAND, HYDRAULIC COMPONENT NSN: 4920-00-450-0553	HYDRA	OLIC	
Cost Element/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
FY97 FY99	UNKNOWN	C/FFP OPTION	AFMC/SA-ALC AFMC/SA-ALC	AUG 97 FEB 99	MAY 02 OCT 99	42	261,250	YES	9 9	

D. HEMARKS
FY97 unit cost for First Article's based on FY95 engineer estimate.
FY99 unit cost based on FY96 engineer estimate plus contrador incentive.
2 each First Articles to be retained by manufacturer as production models and delivered as the last production units.

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T PAGE NO		
P-1 SHOPP LIST	ITEM NO.	63

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Exhibit P-5a Procurement History and Planning

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P-1 SHOPPING LIST ITEM NO. 63 UNCLASSIFIED

P-1 SHOPPING LIST	ITEM NO. 63	UNCLASSIFIED

FY98/99 BUDGET PRODUCTION SCHEDULE	DUCTR	N SCH	EDULE																					_														
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FY99 (C-130H)		-	0		-																																	
FY99 (F-16)		-	0		+																																	
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Page 2 of 2 Pages
Exhibit P-21 Production Schedule | | |

REQUIREMENTS STUDY

DATE: FEBRUARY 1997

P-1 ITEM NOMENCLATURE: HYD COMPONENT TEST STAND

NSN: 4920-00-450-0553

APPROPRIATION / BUDGET ACTIVITY AIRCRAFT PROGUREMENT, COMMON SUPPORT EQUIPMENT
ASSETS On Hand as of 31 Mar 96 Due-in w/all Prior Years' Funds Due-in w/FY98 Funds TOTAL ASSETS:
Disposals (Planned & Projected thru FY99 FDP) FY98 since as of date: FY99: FY00; FY01:
FY02: TOTAL DISPOSALS (49 MONTHS) PROCUREMENT LEADTIME: 9 months
NET ASSETS:

ENDITURE - \$						
ACTUAL TRAINING EXPENDITURE - NA						
CTUAL TR	86A:	797	364	367	794	Carina

ACTUAL OTHER THAN TRAINING EXPENDITURE
FY98
FY97
FY96
FY95
FY94
REMARKS:

	INVENTORY OBJECTIVE	
229	Number of Combat Loads	
2	Assets Required for Combat Loads	
0	Combat Expenditures	
231	War Reserve Requirement	
	Annual Training	
	Annual Testing	
0	Maintenance Pipeline	
0	Air Force Requirement	122
30	Air National Guard Requirement	25
0	Air Force Reserve Requirement	32
0		
30	TOTAL REQUIREMENT	247
100	APPROVED ACQUISITION OBJECTIVE	247
107	PROCUREMENT REQUIREMENT	
	Total FY99 Requirement	247
	Less Net Assets	201
***************************************	Required FY99 Procurement	46
	Planned FY99 Procurement	42

UNCLASSIFIED P-1 SHOPPING LIST ITEM NO. 63

PAGE NO. 1 OF 1

		BODG	BUDGET ITEM JUSTIFI(I JUSTIFICATION BIT P-40)			DATE FEBRUARY 1997	RY 1997
APPROPRIA	APPROPRIATION/BUDGET ACTIVITY	:TIVITY		P-1 ITEM NOMEN	P-1 ITEM NOMENCLATURE Interim Contractor Support (ICS)	n Contractor Sup	port (ICS)	
AIRCRAFT	AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIP	COMMON SUPPO	RT EQUIPMENT					
	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03
QUANTITY								
COST (In Mil)	\$1.948	\$2.000	\$2.425	\$1.850	\$.898	\$.925	\$.839	\$.839

A. DESCRIPTION/FUNCTION: Interim Contractor Support (ICS) is a pre-planned, temporary support alternative for the initial period of operational use of new operational tempo, reliability and maintainability factors and past/projected failure rates. ICS incorporates non-recurring investment costs such as repair parts U. S. Air Force weapon systems, equipment or modifications for which eventual organic support is planned. With ICS a contractor provides repair based on procurement, technical data and support equipment.

B. PURPOSE OF PROCUREMENT: ICS is designed to provide a bridge from an acquisition process to an Air Force self-sustaining program. It allows time for support equipment development/delivery, training and training equipment development/delivery, technical data development/validation and spares identification/delivery.

C. APPLICATION: Common support equipment ICS funding supports the B-1B, B-52, C-5, C-17, C-130, E-3, F-16, F-15, and KC-135 aircraft. These requirements include all those not identified through other FY98/99 P-series documentation.

PAGE NO.	ICLASSIF
P-1 SHOPP LIST ITEM NO. 63	5

	WE	APON	SYSTE	WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	ST ANALYSIS	SEXHIE	IT (P-5)				D. DATE FEB	ATE FEBRUARY 1997	Y 1997
A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO.	r ACT	VIIV	B. WEAPON	APON MODEL	SERIES	/ POPUL	MODEL/SERIES/ POPULAR NAME	0 1	C. MANUF.	C. MANUFACTURER NAME/PLANT/ CITY/STATE LOCATION	NAME	LANT/ C	ITY/STATE
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT	COMM	NO		INTERIM CONTRACTOR SUPPORT	HOS HO	- E		2	N/A				
Weapon System Cost Elements	IDENT		FY 96	36		FY 97			FY 98	gs.		FY 99	
		αту	COST	TOTAL COST	QTY	COST	TOTAL COST	QTY	UNIT	TOTAL COST	OTY	COST	TOTAL COST

1. Digital Data Control Module		257			
2. AN/USM-639 Test Set		495	495		100
3. Transmitter Test Set		150	150	150	150
4. Pacer Comet III		268	 268		
5. F-15 Elect Syst Test Set	_		641	1.725	006
6. E-3 Elect Syst Test Set			596	550	800
7. Engine Test/Trim Auto		498			
8. Radar Test Station		280	150		
TOTAL		1.948	2.000	2.425	1.850

M NO. 63

			(EXHIBIT P-40)	SIT P-40)				
APPROPRIATION AIDCRAFT DE	APPROPRIATION/BUDGET ACTIVITY AIDCDAET DESCRIPEMENT COMMON SIIDDORT EQUIPMENT	TIVITY COMMON SIIDDO	1	P-1 ITEM NOME	NCLATURE GENE	P-1 ITEM NOMENCLATURE GENERATOR TEST STAND	4ND	
	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03
NAUTITY	0	-	28	0	0	0	0	0
COST (In Mil)	\$0	\$0.157	\$4.646	\$0	\$0	\$0	\$0	\$0

drives and aircraft generators. The MC-3 allows for interchangeability with mechanical adapter hardware presently in use with the MC-2 Generator Test Stand. The basic speed range is from 0 to 14,400 RPM, allowing plenty of high speed range for generator tests. The stand is capable of producing 100 horse power A. DESCRIPTION/FUNCTION: The MC-3 Generator Test stand is used to test aircraft electrical generating system components. The MC-3 consists of two distinct components; the test stand and the separate load bank mounted on a rugged unitized base, with forklift channels, and skidding and lifting provisions. continuous; 150 horse power intermittent is available from 4200 to 12,000 RPM, an ideal speed range to permit the test of a wide range of constant speed

which have become increasingly more numerous due to the high failure rate of current systems. This has resulted in a corresponding decrease in the overall B: PURPOSE OF PROCUREMENT: This procurement is a total replacement program for existing MC-2 stands which are obsolete, no longer procurable, technologically deficient, and have exceeded their estimated service life. The only means of maintenance support for the stands is cannibalization actions number of serviceable systems available for use.

C: APPLICATION: Multiple large and fighter aircraft

D: REQUIREMENTS: FY97: 1 Replacement

FY98: 28 Replacements

E: IMPACT: Without the Generator Test Stand procurement, the ability to test aircraft electrical systems will rapidly decrease with an adverse effect on mission readiness. The MC-3 is the only test stand available that meets the Air Force's needs in the field.

F. TYPE ITEM CODE: A

G: ANG/AFR:

FY98

QTY/DOLLARS 8/\$1.282 ANG

QTY/DOLLARS 1/\$0.160 AFR

P-1 SHOP LIST ITEM NO.	PAGE NO.	
63		

	WE	APON	SYSTE	WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	VALYSI	SEXHII	BIT (P-5)				D. DATE	王	
				(Cost in thousands	housands of dollars)						正	FEBRUARY 1997	Y 1997
A. APPROPRIATION/BUDGET ACTIVITY B. WEAPON MODEL/SERIES/ POPULAR NAME TITLE/NO.	T ACT	VI IV	B. WE	APON MODE	/SERIES	/ POPUI	LAR NAME	0 1	C. MANUF/ LOCATION	C. MANUFACTURER NAME/PLANT/ CITY/STATE LOCATION	NAME/P	LANT/ C	TY/STATE
			GENEF	GENERATOR TEST STAND	STAND								
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT	COMM	NO	NSN: 4	NSN: 4920-01-395-4067	29			∢ ⊆	VTRON	AVTRON MANUFACTURING, INC INDEPENDENCE, OHIO	URING, I	NC NC	
Weapon System Cost Elements	OBENT		FY 96	8		FY 97			FY 98	_		FY 99	
		QTV	UNIT	TOTAL COST	αTY	UNIT	UNIT TOTAL COST	QTV	UNIT	TOTAL COST	VTO	UNIT	TOTAL COST

GENERATOR TEST STAND TECHNICAL DATA	4 4	0	00	-	157,000	157	28	160,000	160	0	 00
TOTAL:					•	157.			4.646		 0

Exhibit P-5 Weapon System Cost Analysis	
PAGE NO.	
P-1 SHOPP LIST ITEM NO. 63	

DONB	BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)	NT HISTORY PLA	/ PLANNING	EXHIBIT	(P-5A)			A. DATE FEBRI	DATE FEBRUARY 1997	1997
B. APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPME	CTIVITY MMON SUPPORT EQU	IIPMENT		C. P-1 II	EM NOMEN	ICLATURE NSN: 49	C. P-1 ITEM NOMENCLATURE GENERATOR TEST STAND NSN: 4920-01-395-4067	4 TEST 8 067	STAND	
Cost Element/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF QUANTITY FIRST DELIVERY	QUANTITY	COST	SPECS AVAIL NOW	SPECS SPEC AVAIL REV NOW REQ'D	IF YES, WHEN AVAIL
FY97	AVTRON MFG INDEPENDENCE, OH	SS/FFP	AFMC/SA-ALC	JAN 97	FEB 98	-	156,750			
FY98	AVTRON MFG	OPTION	AFMC/SA-ALC	MAR 98	JAN 99	28	160.200 YES	YES	ON	

Exhibit P-5a Procurement History and Planning	
PAGE NO.	
P-1 SHOPP LIST ITEM NO. 63	

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FY98/99 BUDGET PRODUCTION SCHEDULE																							_													
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YEAR	шс		ATY PRIOR DUE	DUE	96	98	96			Ĭ	ALE	NDA	CALENDAR YEAR 97	NR 97				Ш			ဒ်	CALENDAR YEAR 98	DAR	YEA	888						CALE	NDA	CALENDAR YEAR 99	R 99		
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MANUFACTURER'S NAME AND	ď	PROD RATES	TES	REA.						PRC	CUR	EME	MTLE	AD 1	ME						3EM	ARKE	::										PROCUREMENT LEAD TIME REMARKS:			
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INDEPENDENCE, OHIO					INITIAL	¥			_																											
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P-1 SHOPPING LIST ITEM NO. 63 UNCLASSIFIED

REQUIREMENTS STUDY

DATE: FEBUARY 1997

P-1 ITEM NOMENCLATURE: GENERATOR TEST STAND

NSN: 4920-01-395-4067

Assets Required for Combat Loads

War Reserve Requirement

Annual Training Annual Testing

Combat Expenditures

Number of Combat Loads

INVENTORY OBJECTIVE

ORT EQUIPMENT

APPROPRIATION / BUDGET ACTIVI AIRCRAFT PROCUREMENT, COMMON SUPP
ASSETS On Hand as of 31 Mar 96
Due-in w/all Prior Years' Funds
Due-in w/FY97 Funds
TOTAL ASSETS:

DISPOSALS (Planned & Projected thru FY98 FDF
FY97 since as of date;
FY98;
FY99;
FY00;
FY01:
TOTAL DISPOSALS (39 MONTHS)
PROCUREMENT LEADTIME: 15 months

APPROVED ACQUISITION OBJECTIVE

PROCUREMENT REQUIREMENT

Fotal FY98 Requirement

Less Net Assets

Required FY98 Procurement Planned FY98 Procurement

Air National Guard Requirement

Maintenance Pipeline Air Force Requirement Air Force Reserve Requirement

TOTAL REQUIREMENT

ACTUAL TRAINING EXPENDITURE - NA	7.4	92	75	24	23
ACTUA	FY97	FY96	FY95	FY94	FY93

NET ASSETS:

	FY96 FY95 EY04
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REMARKS

P-1 SHOPPING LIST ITEM NO. 63

PAGE NO. 1 OF 1

Exhibit P-20 Requirements Study $_{||}$ $_{||}$

		BUDGI	BUDGET ITEM JUSTI	M JUSTIFICATION			DATE: FEBRUARY 1997	3Y 1997
			(EXHIBIT P-40)	(0				
APPROPRIA.	APPROPRIATION/BUDGET ACTIVITY	TIVITY		P-1 ITEM NOMEN	ICLATURE STOF	P-1 ITEM NOMENCLATURE STORES MANAGEMENT TEST SET	IT TEST SET	
AIRCRAFT I	AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUI	COMMON SUPPO	RT EQUIPMENT			NSN: 4920-01-302-1170WF	2-1170WF	
	96 Y H	FY 97	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03
QUANTITY	0	09	51	0	0	0	0	0
COST (In Mil)	\$0	\$8.827	\$7.672	0\$	\$0	0\$	0\$	0\$

A. DESCRIPTION/FUNCTION: The Stores Management Test Set is used on the F-16 C/D aircraft when a problem is identified which could prematurely release or prevent the release of a missile, bomb, or gun pod, resulting in a safety hazard to ground crew or other personnel.

from 5-15 years old. Older test sets use outdated technology, obsolete parts, require depot level modification, and cannot be reprogrammed at the field level. The new Block 50 stores management system test set uses latest technology, new redesigned components, are field level reprogrammable and can be used B: PURPOSE OF PROCUREMENT: The older model stores management test sets are used on the Block 25/30/40 F-16 C/D aircraft. The test sets range on any F-16 C/D aircraft by using a software change at the field level.

C: APPLICATION: F-16 C/D aircraft

D: REQUIREMENTS: FY97: 60 Replacements FY98: 51 Replacements

E: IMPACT: The current test sets cannot be further modified. Without additional capabilities the older test sets cannot check modifications to current systems systems. The new block 50 test sets will significantly increase weapons system checks and will provide the using organization with a means to check any new on the F-16 C/D aircraft. This inability affects the F-16 maintainability and mission support, increasing organizational level and depot level repair of weapons weapons systems used on the aircraft by reprogramming the test sets at the field level.

F: TYPE ITEM: A

G: ANG/AFR:

FY97

QTY/DOLLARS 44/\$6.474

QTY /DOLLARS 16/\$2.407 PAGE NO. P-1 SHOP LIST ITEM NO. 63

BUDGE	BUDGET PROCUREMENT H	NT HISTORY PLA	IISTORY PLANNING EXHIBIT (P-5A)	EXHIBIT	(P-5A)			A. DATE FEBR	DATE FEBRUARY 1997	1997
B. APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT	SUPPORT E	IIPMENT		C. P-1 ITEM P TEST SET NSN: 4920-0	S. P-1 ITEM NOMENCLATU TEST SET NSN: 4920-01-302-1170WF	ACLATURE :	C. P-1 ITEM NOMENCLATURE STORES MANAGEMENT SYSTEM TEST SET NSN: 4920-01-302-1170WF	VAGEM	ENT SYS	TEM
Cost Element/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
FY94	LOCKHEED-MARTIN	SS/FFP	AFMC/OO-ALC	AUG 94	96 NOC	09	138,135			
FY97 FY98	LOCKHEED-MARTIN	SS/FFP OPTION	AFMC/00-ALC AFMC/00-ALC	MAR 97 MAR 98	36 NUL	51	147,114	YES	99	

	Exhibit P-5a Procurement History and Planning
	PAGE NO.
	P-1 SHOPP LIST ITEM NO. 63
Unit cost is based on the FY94 contract inflated.	

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P-1 SHOPPING LIST ITEM NO. 63 UNCLASSIFIED

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FY98/99 BUDGET PRODU	JCTIO	N SCH	EDULE		P-1	P-1 ITEM NOW	NO F	MEN	VCL/	NTUF	ij	STO	RES	MAN	AGE	MEN	II S)	ST.	IENCLATURE: STORES MANAGEMENT SYST TEST SET	SE	<u></u>					DAT	DATE: FEBRUARY 1997	EBA	UAB	IY 18	286										
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P-1 SHOPPING LIST ITEM NO. 63 UNCLASSIFIED

P-1 ITEM NOMENCLATURE: STORES MANAGEMENT SYSTEM TEST SET

NSN: 4920-01-302-1170WF

DATE: FEBRUARY 1997

Assets Required for Combat Loads

War Reserve Requirement

Annual Training Annual Testing

Combat Expenditures

21888

Number of Combat Loads

NVENTORY OBJECTIVE

REQUIREMENTS STUDY

AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT APPROPRIATION / BUDGET ACTIVITY

(See Remarks) Due-In w/all Prior Years' Funds On Hand as of 31 Mar 96 Due-In w/FY97 Funds **FOTAL ASSETS:**

FY97 FDI	
Projected thru	
SALS (Planned &	since as of date:
DISPO	FY97 sl

FY98: FY99:

FY00; FY01:

PROCUREMENT LEADTIME: 15 months **FOTAL DISPOSALS (40 MONTHS)**

293

293

APPROVED ACQUISITION OBJECTIVE

PROCUREMENT REQUIREMENT

242

Total FY98 Requirement

ess Net Assets

Required FY98 Procurement Planned FY98 Procurement

Air National Guard Requirement

Air Force Requirement Maintenance Pipeline

Air Force Reserve Requirement

TOTAL REQUIREMENT

51 51 51

NET ASSETS:

ACTUAL TRAINING EXPENDITURE - NA

FY96 FY95

FY94 FY93

ACTUAL OTHER THAN TRAINING EXPENDITURE

FY95 **FY94** FY96 FY97

REMARKS: FY93

PAGE NO. 1 OF 1

P-1 SHOPPING LIST ITEM NO. 63

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Exhlbit P-20 Requirements Study, $\frac{1}{2}$, $\frac{1}{4}$

		BUDG	BUDGET ITEM JUSTI	JUSTIFICATION			DATE: FEBRUARY 1997	RY 1997
			(EXHIBIT P-40)	6				
APPROPRIA	APPROPRIATION/BUDGET ACTIVITY	TIVITY		P-1 ITEM NOME	NCLATURE STO	P-1 ITEM NOMENCLATURE STORES RELEASE TEST SET	ST SET	
AIRCRAFT	PROCUREMENT,	INCRAFT PROCUREMENT, COMMON SUPPORT EQUIP	RT EQUIPMENT			NSN: 4920-01-302-1169WF	2-1169WF	
	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03
QUANTITY	0	48	26	0	0	0	0	0
COST (In Mil)	\$0	\$12.342	\$6.836	\$0	0\$	0\$	0\$	\$0

- pylons, bomb racks, gun pods, and bomb/missile adapters. Unserviceable components are replaced and serviceable condition verified with the test set -++-DESCRIPTION/FUNCTION: The Stores Release Test set is a F-16 C/D tester used to identify unserviceable components in aircraft launchers, prior to reissue. ď
- PURPOSE OF PROCUREMENT: The block 50 Stores Release Test Set will replace the block 25/30/40 test sets which use old, out dated technology, have obsolete parts, require depot level modification, are weapons system configuration peculiar, and are not reprogrammable. The block 50 Stores Release Test Sets are externally reprogrammable, use latest technology, and can be used on all F-16 C/D weapons systems. œ.
- C: APPLICATION: F-16 C/D aircraft
- D: REQUIREMENTS: FY97: 48 Replacements FY98: 26 Replacements
- E: IMPACT: The cost to maintain the block 25/30/40 Stores Release Test Sets has become uneconomical. Maintainability of the F-16 weapon systems have become increasingly difficult using obsolete and outdated test sets. The weapons systems will require an increase in depot level/contractor repair and will be unable to support USAF missions. Older test sets are failing at higher rates, becoming increasingly more difficult to repair, and no longer reliable in determining the cause of weapons system failures.
- F: TYPE ITEM: A

G: ANG/AFR: ANG/ATY/DOLLARS

AFR QTY/DOLLARS 6/\$1.578

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24/\$6.171

FY97

PAGE NO.	
P-1 SHOP LIST ITEM NO. 63	

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BUDGE	BUDGET PROCUREMENT I	NT HISTORY PLA	HISTORY PLANNING EXHIBIT (P-5A)	EXHIBIT	(P-5A)			A. DATE FEBR	DATE FEBRUARY 1997	1997
B. APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT	IVITY MON SUPPORT EQU	IPMENT		C. P-1 ITE NSN: 492	C. P-1 ITEM NOMENCLATU NSN: 4920-01-302-1169WF	CLATURE S 169WF	C. P-1 ITEM NOMENCLATURE STORES RELEASE TEST SET NSN: 4920-01-302-1169WF	EASE TE	STSET	
Cost Element/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
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FY94	LOCKHEED MARTIN	SS/FFP	AFMC/00-ALC	AUG 94	OCT 96	4	241,434			
FY97	LOCKHEED MARTIN	SS/FFP	AFMC/OO-ALC	MAR 97	MAR 99	48	257,127	YES	S.	
FY98	LOCKHEED MARTIN	OPTION	AFMC/00-ALC	MAR 98	MAR 00	26	262,922	YES	8	

D. HEMARKS
UNIT COST WAS BASED ON FY94 CONTRACT INFLATED.

PAGE NO.	
P-1 SHOPP LIST P	
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Exhibit P-5a Procurement History and Planning

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P-1 SHOPPING LIST ITEM NO. 63 UNCLASSIFIED

	2	FY98/99 BUDGET PRODUCTION SCHEDULE	3	_																																	
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P-1 SHOPPING LIST ITEM NO. 63 UNCLASSIFIED

REQUIREMENTS STUDY

DATE: FEBRUARY 1997

P-1 ITEM NOMENCLATURE: STORES RELEASE TEST SET NSN: 4920-01-302-1169WF

INVENTORY OBJECTIVE

APPROPRIATION / BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

ASSETS	On Hand as of 31 Mar 96	Due-in w/all Prior Years' Funds	Jue-in w/FY97 Funds	FOTAL ASSETS:
ASSE	ont	Due	Due	101

Disposals (Planned & Projected thru FY97 FDP)
FY97 since as of date:
FY98:
FY99:
FY00;
FY01;
TOTAL DISPOSALS (39 MONTHS)
PROCUREMENT LEADTIME: 24 months

ACTUAL TRAINING EXPENDITURE - NA	FY97	FY96	FY95	74	FY93
¥	7	F	7	FY94	7

NET ASSETS:

ACTUAL OTHE	ACTUAL OTHER THAN TRAINING EXPENDITURE
FY97	
FY96	
FY95	
FY94	
FY93	
REMARKS:	

	Planned FY98 Procurement	
149	PROCUREMENT REQUIREMENT Total FY98 Requirement Less Net Assets Required FY98 Procurement Planned FY98 Procurement	
149	APPROVED ACQUISITION OBJECTIVE	
149	TCTAL REQUIREMENT	0
83 60	Air Forcə Rəquirəmənt Air National Guard Rəquirəmənt Air Forcə Reservə Rəquirəmənt	
	Annual Testing Maintenance Pipeline	0
	War Reserve Requirement Annual Training	123
	Assets Required for Combat Loads Combat Expenditures	4
	Number of Combat Loads	71

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Exhibit P-20 Requirements Study | 59

		BUDG	BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	FICATION 0)			DATE FEBRUARY 1997	RY 1997
APPROPRIA AIRCRAFT	APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUII	TIVITY COMMON SUPPO	RT EQUIPMENT	P-1 ITEM NOMEN	NCLATURE	P-1 ITEM NOMENCLATURE AIR CONDITIONER, PD501 DIESEL NSN: 4120-01-167-5470	D501 DIESEL 0	
	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03
QUANTITY	34	0	13	0	0	0	0	0
COST (In Mil)	\$8.173	\$0	\$3.840	\$0	\$0	\$0	0\$	\$0
COST (III MIII)	\$6.173	00	93.040	O o	O p	O		O

maximum outlet pressures of 390 pounds per minute (PPM) at 2.0 pounds per square inch gauged (PSIG), 300 PPM/1.5PSIG, or 220 PPM/3.0PSIG can be selected. It is designed to operate in temperatures from -40 to +115 degrees (F) and provide cooling/heating for electronic equipment during ground checkout A. DESCRIPTION/FUNCTION: The PD501D Air Conditioner is a diesel engine driven, vapor cycle, trailer mounted unit with a nominal cooling capacity of 1,2000,000 BTU/HRS. It provides air via 5 individually controllable outlets at temperatures ranging from 45 to 100 degrees Fahrenheit. Flow rates and and maintenance checks of avionics systems on the B-1B, MC-130H and AC-130U aircraft.

B. PURPOSE OF PROCUREMENT: FY98 will procure initial B-1B shortages.

C. APPLICATION: Multiple large aircraft.

D. REQUIREMENTS: FY98 - 13 shortages

failure of vital electronic components due to overheating during ground check-out and maintenance. Failure of any of these systems will seriously impair the E. IMPACT: Failure to support this procurement will result in inadequate support of the B-1B aircraft. Lack of the PD501 Air Conditioner could cause the mission capability of the B-1B aircraft.

F. TYPE ITEM CODE: A

G. ANG/AFR:

FY98

QTY/DOLLARS 13/\$3.840

AFR QTY/DOLLARS

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BODB	BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)	AT HISTORY	PLANNING	EXHIBIT	(P-5A)			A. DATE	ш	
	9)	(Cost in thousands of dollars)	f dollars)					FEB	FEBRUARY 1997	266
B. APPROPRIATION/BUDGET ACTIVITY	FIVITY			C. P-1	TEM NOME	NCLATURE	C. P-1 ITEM NOMENCLATURE AIR CONDITIONER, PD501 DIESEL	ONER	PD501 D	FSE
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMEN	MON SUPPORT EQU	IPMENT				NSN: 41	NSN: 4120-01-167-5470	02		
Cost Element/	CONTRACTOR/	CONTRACT	CONTRACTED	4	DATE OF	QUANTITY	TINO	SPECS	SPEC	IF YES,
	FOOTION	& TYPE	5	DAIE	DELIVERY		ison	NOW	REO'D	AVAII
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FY96	Engineering Air	OPTION.	AFMC/SA-ALC	NOV 95	OCT 97	34	240,384			
FY98	Systems, St Louis, MC EAS	OPTION*	AFMC/SA-ALC	NOV 97	DEC 98	5	295,366	YES	Q.	

D. REMARKS

Options to FY90 C/FFP contract. Unit cost based on a Jun 96 modification establishing revised larget prices.

P-1 SHOPP LIST PAGE NO. Exhibit P-5a Procurement History and Planning

FYSAMS BUDGET PROL	uction	1 SCHEL													1																		
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P-1 SHOPPING LIST ITEM NO. 63 UNCLASSIFIED

REQUIREMENTS STUDY

DATE: FEBRUARY 1997

NSN: 4120-01-167-5470

INVENTORY OBJECTIVE Number of Combat Loads

P-1 ITEM NOMENCLATURE: AIR CONDITIONER, PD501 DIESEL APPROPRIATION / BUDGET ACTIVITY

APPROPRIATION / BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT ASSETS On Hand as of 31 Mar 96 Due-in w/all Prior Years' Funds Due-in w/FY97 Funds TOTAL ASSETS:

DISPOSALS (Planned & Projected thru FY98 F
FY97 since as of date:
FY98;
FY99;
FY00:
FY01:
TOTAL DISPOSALS (37 months)

PROCUREMENT LEADTIME: 14 months

NET ASSETS:

OITURE - NA						
NING EXPEN						
ACTUAL TRAINING EXPENDITURE - NA	FY97	FY96	FY95	FY94	FY93	

ACTUAL OTH	ACTUAL OTHER THAN TRAINING EXPENDITURE
FY97	
FY96	
FY95	
FY94	
FY93	
REMARKS:	

13 78 91 91 0	Number of Combat Loads Assets Required for Combat Loads Combat Expenditures War Reserve Requirement Annual Training Annual Testing Maintenance Pipeline Air Force Requirement Air National Guard Requirement
000	Air Force Reserve Requirement TOTAL REQUIREMENT
6	APPROVED ACQUISITION OBJECTIVE PROCUREMENT REQUIREMENT Total FY98 Requirement Less Net Assets Required FY98 Procurement Planned FY98 Procurement
P-1 SHOPPING LIST	OING LIST

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P-1 SHOPPING LIST ITEM NO. 63 UNCLASSIFIED

PAGE NO. 1 OF 1

Exhibit P-20 Requirements Study +6.5

		BUDG	BUDGET ITEM JUSTIFI (EXHIBIT P-40)	JUSTIFICATION 3IT P-40)			DATE: FEBRUARY 1997	IRY 1997
APPROPRIA AIRCRAFT	APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT. COMMON SUPPORT EQUIL	COMMON SUPPO	RT EQUIPMENT	P-1 ITEM NOME	P-1 ITEM NOMENCLATURE AIR CONDITIONER MA-3D NSN: 4120-00-998-6673	VIR CONDITIONER MA-30 NSN: 4120-00-998-6673	-3D	
	FY96	FY97	FY98	FY99	FY00	FY01	FY02	FY03
QUANTITY	255	0	69	0	0	0	0	0
COST (In Mil)	\$12.667	0\$	\$3.418	\$0	\$0	0\$	\$0	0\$

- DESCRIPTION/FUNCTION: The MA-3D is a diesel engine driven, all weather vapor cycle, trailer mounted, self-contained air conditioner with a nominal cooling capacity of 130,000 BTU/HRS (20 tons). It is designed to provide cooling for electronic equipment during ground check-out and maintenance of avionics by organizational and depot personnel. ď
- in use contain CFCs which have been found harmful to the earth's ozone layer. The replacement air conditioners will comply with the Montreal Protocol on PURPOSE OF PROCUREMENT: This procurement program will replace all existing assets containing Chlorofluorocarbons (CFCs). Older units currently substances that deplete the ozone layer and the Clean Air Act of 1990 which requires the elimination of all R-12 (CFC) refrigerant. ത്
- C. APPLICATION: Multiple Aircraft
- D. REQUIREMENTS: FY98 13 shortages, 46 replacements
- E. TYPE ITEM CODE: A
- IMPACT: This air conditioner is crucial for flightline use in preventing damage to costly electronic systems due to overheating, and avoiding a health hazard for technicians performing the required maintenance. Ľ.

G. ANG/AFR: ANG AFR QTY/DOLLARS QTY/DOLLARS FY98: 0/\$0

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PAGE NO.

P-1 SHOPP LIST ITEM NO.

BUI	ROCURE	INT HISTORY PLA	MENT HISTORY PLANNING E	EXHIBIT	(P-5A)			A. DATE	DATE FERRITARY 1997	1997
B. APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMEI	ACTIVITY OMMON SUPPORT EQU	JIPMENT		C. P-11 NSN: 4	. P-1 ITEM NOMENCLA NSN: 4120-00-998-6673	NCLATURE 6673	C. P-1 ITEM NOMENCLATURE AIR CONDITIONER MA-3D NSN: 4120-00-998-6673	ONER	AA-3D	
Cost Element/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST	QUANTITY	UNIT	SPECS		IF YES, WHEN
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	Systems, St Louis Mo	* NOILdo	AFMC/SA-ALC	NOV 95	MAR 97	255	49,676			
FY98	EAS	OPTION*	AFMC/SA-ALC	NOV 97	MAY 98	59	57,937	YES	ON.	

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	P-1 SHOPP LIST PAGE NO. Exhibit P-5a Procurement History and Planning
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MANUFACTURER'S NAME AND	H.	PROD RATES		REA.						Б	ROC	URE	VEN	LEA	IT Q	ΝE						HEM	AHK	S:											PROCUREMENT LEAD TIME REMARKS:			
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REQUIREMENTS STUDY

DATE: FEBRUARY 1997

P-1 ITEM NOMENCLATURE: AIR CONDITIONER MA-3D NSN: 4120-00-998-6673

APPROPRIATION / BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

T, COMMON S	Nar 96 əars' Funds 1s
AIRCRAFT PROCUREMENT, COMMON S	ASSETS On Hand as of 31 Mar 96 Due-in w/all Prior Years' Funds Due-in w/FY97 Funds TOTAL ASSETS:
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DISPOSALS (Planned & Projected thru FY98 FDP)
FY97 since as of date;
FY98;
FY99;
FY00:
FY01:
TOTAL DISPOSALS (27 MONTHS)

NET ASSETS:	ACTUAL TRAINING EXPENDITURE - NA FY97	FY96	FY95
	NET ASSETS:	NET ASSETS: ACTUAL TRAINING EXPENDITURE - NA FY97	NET ASSETS: ACTUAL TRAINING EXPENDITURE - NA FY97 FY96
ACTUAL TRAINING EXPENDITURE - NA FY97 FY96 FY95	FY96 FY95	FY95	

ACTUAL OTHER THAN TRAINING EXPENDITURE
FY97
FY96
FY95
FY94
FY93
REMARKS:

FY93

Number of Combat Loads Assets Required for Combat Loads Combat Expenditures War Reserve Requirement Annual Training Annual Testing Maintenance Pipeline Air Force Requirement Air Force Requirement Air Force Reserve Requirement Air Force Reserve Requirement Total Requirement Total Requirement Total Fy98 Requirement I Less Net Assets Required Fy98 Procurement Planned Fy98 Procurement

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PAGE NO. 1 OF 1

Exhibit P-20 Requirements Study $_{\parallel 6}$ /

A. DESCRIPTION/FUNCTION: The Joint Service Electronic Combat System Tester (JSECST) is a flight line end-to-end (ETE) electronic combat system test set capable of verifying electronic combat systems status and assists in providing EC system malfunction diagnostics for the Air Force and the Navy. The JSECST will replace the Navy USM 406C/D, augment the Navy USM 482A and fill a void in current Air Force electronic combat systems testing capability.

B. PURPOSE OF PROCUREMENT: The need for a flightline test capability for EC systems was developed under Combat Air Force 325-92, Joint Combat Air Force-Naval Air Systems Command Mission Need Statement for a flight line Electronic Combat Systems Tester, dated 6 Jan 93. FY99 begins a procurement program to satisfy initial shortages.

C. APPLICATION: Multiple fighter and C-130E/H, HC-130 P/N aircraft

D. REQUIREMENTS: FY99 - 38 shortages

Command's (NASC) Aviation Support Equipment Program Office and a top priority in the USAF Combat Air Forces (CAF). Failure to procure the JSECST E. IMPACT: Introduction of a flightline EC system tester for combat aircraft is the highest organizational level priority within the Naval Air Systems will leave field level units incapable of electronic combat test capability.

F. TYPE ITEM: A

G. ANG/AFR: N/A

H. FY98/99 Air Force RDT&E funding is \$9.528M and \$5.975M respectively. Reference Program Element 64270 of the Air Force Descriptive Summaries.

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	WE	APON	SYSTE	WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	ANALYSIS EXHIBIT	S EXH	BIT (P-5)				D. DATE	ATE FEBRUARY 1997	V 1997
A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO. AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT	T ACT	VIIV NO	B. WEAPC JOINT SEF TESTER (J	B. WEAPON MODEL/SERIES/ POPULAR NAME JOINT SERVICE ELECTRONIC COMBAT SYSTEM TESTER (JSECST) NSN: NSL	SERIES	C COME	ILAR NAME	0141	C. MANI	C. MANUFACTURER NAME/PLANT/ CITY/STATE LOCATION AAI HUNT VALLEY, MD	NAME	PLANT/ C	SITY/STATE
Weapon System Cost Elements	IDENT		FY 96	96		FY 97	71		FY 98	80		FY 99	6
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OTHER COSTS*							00			00			.297 2.139
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* OTHER COSTS: PROGRAM MANAGEMENT, ENGINEERING CHANGE ORDER							Albani						

Exhibit P-5 Weapon System Cost Analysis	
PAGE NO.	
P-1 SHOPP LIST ITEM NO. 63	

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BUDGE	BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)	NT HISTORY	PLANNING	EXHIBIT	(P-5A)			A. DATE	m	
		(Cost in thousands of dollars)	of dollars)					FEBRU/	FEBRUARY 1997	
B. APPROPRIATION/BUDGET ACTIVITY	IIVITY			JOINTS	ERVICE EL	ECTRONIC	JOINT SERVICE ELECTRONIC COMBAT SYSTEM TESTER (JSECST)	STEM TE	STER (J	SECSD
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FY%	AAI HUNT VALLEY, MD	SS/FFP	AFMC/ASC-LN	MAY 99	MOV 99	38	230,000	O _N		MAY 99

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Exhibit P-5a Procurement History and Planni
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P-1 SHOPP LIST ITEM NO. 63
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P.1 SHOPPING LIST ITEM NO. 63 UNCLASSIFIED

Page 1 of 2 Pages
Exhibit P-21 Production Schedule

FY98/99 BUDGET PRODUCTION SCHEDULE	UCTION	1 SCHE	DULE			F																	٦														Ì	
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REQUIREMENTS STUDY UNCLASSIFIED

APPROPRIATION / BUDGET ACTIVITY: AIRCRAFT PROCUREMENT, COMMON	7	
SUPPORT EQUIPMENT		

On Hand as of 31 Mar 96

Due-in w/all Prior Years' Funds Due-in w/FY97 Funds TOTAL ASSETS: USAGE (Planned & Projected thru FY99 FDP)

FY97 since as of date:

FY98:

FY99: FY00:

FY01:

TOTAL DISPOSALS

PROCUREMENT LEADTIME: 13 months

NET ASSETS:

ACTUAL TRAINING EXPENDITURE

FY95 FY94

FY96

FY93 FY92 ACTUAL OTHER THAN TRAINING EXPENDITURE

FY96 FY95 FY94 FY93

P-1 SHOPP LIST ITEM NO. 63

P-1 ITEM NOMENCLATURE: JOINT SERVICE ELECTRONIC COMBAT SYSTEM TESTER (JSECST)

	INVENTORY OBJECTIVE	
0 0	Number of Combat Loads Assets Required for Combat Loads	
0 0	Combat Expenditures War Reserve Requirement	0
	Annual Training Annual Testing	
0	Maintenance Pipeline	
0	Air Force Requirement	100
0 0	Air National Guard Requirement Air Force Reserve Requirement	24
00	TOTAL REQUIREMENT	202
ć	APPROVED ACQUISITION OBJECTIVE	202
0	PROCUREMENT REQUIREMENT	
	Total FY98 Requirement Less Net Assets	202
	Required FY98 Procurement	202
	Planned FY98 Procurement	0
	Total FY99 Requirement	202
	Less Net Assets	0
	Less FY98 Planned Procurement	0
	Required FY99 Procurement	202
	Planned FY99 Procurement	88
	REMARKS:	

UNCLASSIFIED

Exhibit P-20 Requirements Study 1/3

		BUDG	BUDGET ITEM JUSTIFI (EXHIBIT P-40)	JUSTIFICATION			DATE: FEBRUARY 1997	IRY 1997
APPROPRIA	APPROPRIATION/BUDGET ACTIVITY	TIVITY	DT COLIDMENT	P-1 ITEM NOMEN	ACLATURE NEW	P-1 ITEM NOMENCLATURE NEW GENERATION HEATER NSN: NA	ATER	
AINCHALI	FY96	FY97	FY98	FY99	FY00	FY01	FY02	FY03
QUANTITY	0	0	0	1200	1200	1200	1200	850
COST (In Mil)	\$0	\$0	\$0	\$12.000	\$12.300	\$12.608	\$12.923	\$9.382

A. DESCRIPTION/FUNCTION: The New Generation Heater is a wheeled, trailer mounted, duct type heater primarily used to provide personnel comfort while performing aircraft maintenance. It heats aircraft cockpits, engines, cargo areas, and temporary structures in various environments using multiple fuels. Most heating units are becoming increasingly difficult and costly to maintain. This will be a total inventory replacement procurement program.

C. APPLICATION: Multiple aircraft.

D. REQUIREMENTS: FY99 - 1200 replacements

area. Additionally, heaters have many parts that are no longer available through the supply system due to obsolescence. Without the new replacements, units expenditures. Current heaters have well exceeded their estimated service life and have continually demonstrated coking problems in the heater combustion E. IMPACT: Failure to procure this New Generation Heater will result in the continued costly repair of old, worn out, unreliable units, and high manhour will be unable to perform flightline maintenance tasks and impact mission readiness.

F. TYPE ITEM CODE: A

G. ANG/AFR:

FY99:

ANG QTY/DOLLARS 250/\$2.500

AFR QTY/DOLLARS 96/\$.960

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NON	BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)	NT HISTORY PLA	Y PLANNING	EXHIBIT	(P-5A)			A. DATE FEBRI	DATE FEBRUARY 1997	1997
B. APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPME	SUPPORT EQ	UIPMENT		C. P-1 ITE	EM NEW GE	C. P-1 ITEM NEW GENERATION HEATER NSN: N/A	HEATER			
Cost Element/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF QUANTITY FIRST DELIVERY	QUANTITY	COST	SPECS AVAIL NOW	SPECS SPEC AVAIL REV NOW REQ'D	IF YES, WHEN AVAIL
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P-1 SHOPPING LIST ITEM NO. 63 UNCLASSIFIED

Page 1 of 2 Pages

Exhibit P-21 Production Schedule

REQUIREMENTS STUDY

DATE: FEBRUARY 1997

P-1 ITEM NOMENCLATURE: NEW GENERATION HEATER

Assets Required for Combat Loads

War Reserve Requirement

0

Annual Training Annual Testing

Combat Expenditures

Number of Combat Loads

NVENTORY OBJECTIVE

APPROPRIATION / BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

ASSETS On Hand as of 31 Mar 96 Due-in w/Ail Prior Years' Funds TOTAL ASSETS:

DISPOSALS (Planned & Projected thru FY99 FDP)
FY97 since as of date:
FY98:
FY99:
FY00;
FY01:
TOTAL DISPOSALS (47 MONTHS)
PROCUREMENT LEADTIME: 11 months

ACTUAL TRAINING EXPENDITURE - NA	7	9	5	4	೮	ACTUAL OTHER THAN TRAINING EXPENDITURE	7	9	വ
ACTUA	FY97	FY96	FY95	FY94	FY93	ACTUA	FY97	FY96	FY95

5650 1200

5650

5650

5650

APPROVED ACQUISITION OBJECTIVE

PROCUREMENT REQUIREMENT

0

NET ASSETS:

Total FY99 Requirement

Less Net Assets

Required FY99 Procurement Planned FY99 Procurement

565

Air National Guard Requirement

Maintenance Pipeline Air Force Requirement Air Force Reserve Requirement

TOTAL REQUIREMENT

HOPPING LIST	EM NO. 63	LASSIFIED
P-1 SHOPF	IEMN	UNCLA

FY94 FY93 REMARKS: PAGE NO. 1 OF 1

		BODB	BUDGET ITEM JUSTIF	JUSTIFICATION			DATE: FEBRUARY 1997	RY 1997
APPROPRIA'	APPROPRIATION/BUDGET ACTIVITY	TIVITY	7-4	P-1 ITEM NOMEN	ACLATURE TRUC	P-1 ITEM NOMENCLATURE TRUCK MOUNTED DEICER	CER	
AIRCRAFT!	AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPA	COMMON SUPPO	FENT		NSN	4: 1730-00-555-62	05	
	FY96	FY97	FY98	66A4	FY00	FY01	FY02	FY03
QUANTITY	0	0	51	62	8	5	9	0
COST (In Mil)	\$0	\$0	\$10.729	\$13.764	\$2.243	\$1.433	\$1.756	\$0

defrosting, or decontamination fluids. The mobility of the truck and maneuverability of the aerial platform enables the operating crew to have access to any A. DESCRIPTION/FUNCTION: The Truck Mounted Deicer is a self-propelled spray unit designed for spraying external surfaces of aircraft with deicing, area on the aircraft which is normally inaccessible from the ground. At ground level, the spray outlet can reach a maximum height of 48 feet.

B. APPLICATION: Multiple aircraft

C. REQUIREMENTS: FY98 - 33 shortages, 18 replacements FY99 - 59 shortages, 3 replacements

D. MPACT: Failure to procure the Truck Mounted Deicers will severely delay the mission readiness of all unsheltered aircraft on bases located in cold weather climates. Field units do not have enough hangar space to protect mission required aircraft from snow and ice. This requires units to conduct timely aircraft deicing to meet daily operational requirements.

E. TYPE ITEM CODE: A

F. ANG/AFR:

FY98:

Q

QTY/DOLLARS 8/\$1.777

AFR QTY/DOLLARS 3/\$.666 UNCLASSIFIED

PAGE NO.

P-1 SHOPP LIST ITEM NO. 63

EMENT HISTORY PLANNING EXHIBIT (P-5A) (Cost in thousands of dollars) FEBRUARY 1997	C. P-1 ITEM NOMENCLATURE TRUCK MOUNTED DEICER NSN: 1730-00-555-6205	NA CONTRACT CONTRACTED AWARD DATE OF QUANTITY UNIT SPECS SPEC IF YES, STRICT OF THE STREET COST AVAIL REV WHEN A TYPE ROW REG'D AVAIL	OFFP AFMC/SA-ALC JUL 96 DEC 96 7 222,064	OPTION AFMC/SA-ALC OCT 97 MAY 98 51 210,372 YES NO	C/FFP AFMC/SA-ALC OCT 98 MAY 99 62 222,064 YES NO
NG EXHIBIT (P-5A)	C. P-1 ITEM NOMEN	AWARD DATE OF DATE OF DATE OF DATE	30L 96	OCT 97	OCT 98
	IPMENT				
BUDGET PROCUREMENT	TIVITY IMON SUPPORT EQU	CONTRACTOR/ LOCATION	LANDOLL CORP. Marysville, KS	LANDOLL CORP.	UNKNOWN
BODB	B. APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT	Cost Element/ FISCAL YEAR	FY95	FY98	FY99

D. REMARKS
FY95 procurement establishes a requirements contract with a two years ordering period.
FY96 will be a call order to the basic contract.
FY99 unit cost based on escalation of FY98 price.

P-1 SHOPP LIST ITEM NO. 63	PAGE NO.	Exhibit P-5a Procurement History and Planning
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P-1 SHOPPING	ITEM NO.	UNCLASS

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MANUFACTURER'S NAME AND LOCATION: LANDOLL CORP	4	OD R	PROD RATES	REA.						٩	HOC	URE	MEN	TLE	PROCUREMENT LEAD TIME	ME						HE.	REMARKS	KS:															
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REQUIREMENTS STUDY UNCLASSIFIED

	UPPOR
VITY:	AIRCRAFT PROCUREMENT, COMMON SUPPORT
TACT	COM
BUDGE	EMENT
/ NOL	SOCUR
APPROPRIATION / BUDGET ACTIVITY	RAFIP
APPR	AIRCI

EQUIPMENT

Due-in w/all Prior Years' Funds On Hand as of 31 Mar 96

Due-in w/FY97 Funds

TOTAL ASSETS:

USAGE (Planned & Projected thru FY99 FDP)

FY98 since as of date:

FY99:

FY01:

FY00:

FY02:

FOTAL DISPOSALS (37 MONTHS)

PROCUREMENT LEADTIME: 7 MONTHS

NET ASSETS:

ACTUAL TRAINING EXPENDITURE

FY97

FY98

FY96

FY95 FY94 **ACTUAL OTHER THAN TRAINING EXPENDITURE**

FY97

FY98

FY96

FY95

P-1 ITEM NOMENCLATURE: TRUCK MOUNTED DEICER DATE: FEBRUARY 1997

NSN: 1730-00-555-6205

NVENTORY OBJECTIVE

Number of Combat Loads 522

Assets Required for Combat Loads

War Reserve Requirement Combat Expenditures

547

Annual Training

Annual Testing

Maintenance Pipeline

Air Force Requirement

Air National Guard Requirement Air Force Reserve Requirement

TOTAL REQUIREMENT

2

639

639

APPROVED ACQUISITION OBJECTIVE

PROCUREMENT REQUIREMENT

526

otal FY98 Requirement ess Net Assets

Required FY98 Procurement

Planned FY98 Procurement

113

51

526

82 82 51

526

otal FY99 Requirement

ess FY98 Planned Procurement Required FY99 Procurement ess Net Assets

Planned FY99 Procurement REMARKS:

P-1 SHOPP LIST ITEM NO. 63 Exhibit P-20 Requirements Study

		BUDG	BUDGET ITEM JUSTIFICATION	FICATION			DATE: FEBRUARY 1997	IRY 1997	
			(EXHIBIT P-40)	6					
APPHOPHIA	APPROPRIATION/BUDGET ACTIVITY	TIVITY		P-1 ITEM NOME	NCLATURE NO	P-1 ITEM NOMENCLATURE NOISE SUPPRESSOR, LG TURBO FAN ENGINE	LG TURBO FAN E	NGINE	
AIRCRAFT	AIRCRAFT PROCUREMENT, COMMON SUPPORT EQU	COMMON SUPPC	ORT EQUIPMENT		Z	NSN: 4920-01-082-1095	95		
	FY96	FY97	FY98	FY99	FY00	FY01	FY02	FY03	T
QUANTITY	0	0	1	0	0	0	0	0	T-
COST (In Mil)	\$0	\$0	\$3.046	\$0	\$0	\$0	\$0	\$0	_
									_

engine hoist system, air inlet splitter baffles, exhaust silencer, air compressor, and fire suppression system. The suppresser is 218' long, 52' wide and 29' high. A. DESCRIPTION/FUNCTION: The demountable noise suppresser consists of a structural steel framework lined with acoustical panels, engine thrust fixtures, specific engine under test. There are no engine test suppressers presently in the inventory that will accommodate the thrust capacity of the F101 and F108 It is used to suppress noises generated by jet engines being run within the facility. The overall test chamber system is of integrated design to achieve the necessary operating conditions for satisfactory engine testing, while simultaneously achieving the aerodynamic and thermodynamic requirements of the engines or any other new generation jet engine exceeding 35,000 lbs thrust.

B. PURPOSE OF PROCUREMENT: FY98 procurement will satisfy one Air National Guard shortage for the B-1B aircraft.

C. APPLICATION: B-1B

D. REQUIREMENTS: FY98 - 1 shortage

Force personnel were retraining each year due to hearing loss associated with being around jet engine noise. Without adequate noise sound suppression, engine operation is restricted to certain hours which can jeopardize aircraft readiness. Base personnel would be exposed to severe noise with possible IMPACT: This requirement generated from the increasing emphasis on environmental control and a finding by the Surgeon General that over 2,000 Air hearing damage or loss. In addition, community relations are often strained due to unsuppressed jet engine operation. ய்

F. TYPE ITEM CODE: A

G. ANG/AFR: ANG
QTY/DOLLARS
FY98: 1/\$3.046

AFR QTY/DOLLARS

PAGE NO. P-1 SHOPP LIST ITEM NO. 63

	WE	APON	SYSTE	WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	ALYSIS	EXHIB	IT (P-5)				D. DATE	ш	
				(Cost in thousands of dollars)	of dollars)		•				Œ	FEBRUARY 1997	Y 1997
A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO.	T ACTI	VITY	B. WE	B. WEAPON MODEL/SERIES/ POPULAR NAME	/SERIES/	POPUL	AR NAME	ΩĞ	C. MANUFA	C. MANUFACTURER NAME/PLANT/ CITY/STATE LOCATION	NAME/P	LANT/ C	ITY/STATE
			NOISE	NOISE SUPPRESSOR, LG TURBO FAN ENGINE	R, LG TUP	ABO FAR	JENGINE						
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT	COMM	NO	NSN:	NSN: 4920-01-082-1095	95			<u> </u>	DUSTR	INDUSTRIAL ACOUSTICS CO (IAC), INC MONICKS CORNER, SC	rics co	(IAC), IN	ပ
Weapon System Cost Elements	IDENT		FY 96	98		FY 97			FY 98			FY 99	œ.
		ΩTV	COST	TOTAL COST	оту	COST	TOTAL COST	QTV	COST	TOTAL COST	γTΩ	UNIT	TOTAL COST

NOISE SUPPRESSOR ACCEPTANCE TEST CONTROL ROOM	⋖	0	000	0	000	-	2.094,000	2.094 2 950	0		000
TOTAL:			0		-			3.046			0

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PAGE NO.

P-1 SHOPP LIST ITEM NO. 63

Exhibit P-5 Weapon System Cost Analysis

BUD	ROCUREME	NT HISTORY PLA (Cost in thousands of dollars)	Y PLANNING of dollars)	ЕХНІВІТ	(P-5A)			A. DATE FEBRI	DATE FEBRUARY 1997	1997
B. APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMI	CTIVITY MMON SUPPORT EQL	JIPMENT		C. P-1 ITEM N FAN ENGINE	IM NOMEN	ENCLATURE NOISE SU NSN: 4920-01-082-1095	C. P-1 ITEM NOMENCLATURE NOISE SUPPRESSOR, LG TURBO FAN ENGINE NSN: 4920-01-082-1095	RESSOR	, LG TU	RBO
Cost Element/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
FY94	AF/IAC MONICKS CORNER,	OPTION	AFMC/SA-ALC	AUG 94	MAY 96	+	2,544,909			
FY98	IAC UNKNOWN	OPTION C/FFP	AFMC/SA-ALC AFMC/SA-ALC	SEP 96 MAR 98	SEP 97 MAR 99	α -	2,206,382	9	YES	APR 97

	S ESCALATION FACTOR	
	JNIT COST BASED ON CURRENT CONTRACT PLUS	

P-1 SHOPP LIST PAGE NO. ITEM NO. 63

Exhibit P-5a Procurement History and Planning

FY98/99 BUDGET PRODUCTION SCHEDULE	CTON	9CHED	J.	ο.	E	EM	NON NON	ENC	LAT	JRE	2	SES	UPP	RES	SOR	P-1 ITEM NOMENCLATURE: NOISE SUPPRESSOR, LG TURBO FAN ENGINE	ZE E	90 F	ANE	NG	발				DAT	Œ نن	BE	JAR	DATE: FEBRUARY 1997	17										
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P-1 SHOPPING LIST ITEM NO. 63 UNCLASSIFIED



REQUIREMENTS STUDY

DATE: FEBRUARY 1997

BUDGET ACTIVITY	ENT, COMMON SUPPORT EQUIPMENT
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Disposal s (planned & Projected thru Even End)
Distrospess (Figure & Figure 1179 FDF)
FY97 since as of date:
FY98:
FY99:
FY00;
FY01:

TOTAL DISPOSALS (36 MONTHS) PROCUREMENT LEADTIME: 18 months	NET ASSETS:	ACTUAL TRAINING EXPENDITURE - NA	FY97	FY96	FY95	FY94	FY93
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FY97	FY96	FY95	FY94	FY93	REMARKS:

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P-1 ITEM NOMENCLATURE: NOISE SUPPRESSOR, LG TURBO FAN ENG NSN: 4920-01-082-1095	19 Number of Combat Loads Assets Required for Combat Loads Combat Expenditures Combat Expenditures War Reserve Requirement Annual Training Annual Testing Maintenance Pipeline Alr Force Requirement Air Force Reserve Requirement Air Force Reserve Requirement Air Force Reserve Requirement	TOTAL REQUIREMENT	24 PROCUREMENT REQUIREMENT Total FY98 Requirement Less Net Assets Required FY98 Procurement Planned FY98 Procurement

P-1 SHOPPING LIST ITEM NO. 63 UNCLASSIFIED

PAGE NO. 1 OF 1

		BODG	BUDGET ITEM JUSTIFICATION	FICATION			DATE: FEBRUARY 1997	ARY 1997
			(EXHIBIT P-4	6				
APPROPRIA	PPROPRIATION/BUDGET ACTIVITY	TIVITY		P-1 ITEM NOMENCLATURE MJ-40 LIFT TRUCK	ACLATURE MJ-4	0 LIFT TRUCK		
AIRCRAFT	AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT	COMMON SUPPO	RT EQUIPMENT		NS	NSN: 1730-01-147-1735	735	
	FY96	26A4	FY98	FY99	FY00	FY01	FY02	FY03
QUANTITY	0	0	33	12	0	0	0	c
COST (In Mil)	\$0	\$0	\$9.871	\$3.670	\$0	0\$	0\$	0

A. DESCRIPTION/FUNCTION: The MJ-40 Lift Truck is operationally similar to the MJ-1B and MHU-83C/E lift trucks, and is the latest weapon loading system designed specifically for the B-1B and B-2 bomber aircraft. The MJ-40 lift truck has a maximum loading capacity of 10,000 pounds. It is a self propelled, hydraulically operated lifting and positioning device used to lift and attach aerial stores to the bomber aircraft.

B. PURPOSE OF PROCUREMENT: To fill initial shortages in support of the B-1B.

C. APPLICATION: B-1B, B-2 aircraft.

D. REQUIREMENTS: FY98: 33 shortages

FY99: 12 shortages

E. IMPACT: The MJ-40 is the primary lift truck with the capability of lifting stores on the B-1B and B-2 aircraft. Without this lift truck, the long range strategic mission of the Air Force will be severely impaired.

F. TYPE ITEM CODE: A

G. ANG/AFR:

ANG QTY/DOLLARS

13/\$3.889

FY98:

AFR QTY/DOLLARS 0

P-1 SHOPP LIST PAGE NO.		
P-1 SHOPP LIST PAGE NO. ITEM NO. 63		
P-1 SHOPP LIST PAGE NO.		
P-1 SHOPP LIST ITEM NO. 63	PAGE NO.	
	P-1 SHOPP LIST ITEM NO. 63	

BUDG	ROCUREME	INT HISTORY PLA	HISTORY PLANNING EXHIBIT (P-5A)	EXHIBIT	(P-5A)			A. DATE	DATE FEBRUARY 1997	1997
B. APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT	TIVITY IMON SUPPORT EQI	UIPMENT		C. P-1 ITI NSN: 17	C. P-1 ITEM NOMENCLA NSN: 1740-01-147-1735	CLATURE 1 735	C. P-1 ITEM NOMENCLATURE MJ-40 LIFT TRUCK NSN: 1740-01-147-1735	30CK		
Cost Element/ FISCAL YEAR	CONTRACTOR/	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD	DATE OF FIRST DELIVERY	QUANTITY	UNIT	SPECS	SPEC REV	IF YES, WHEN
								MON	NEW D	AVAIL
FY92	STANDARD MFG	SS/FFP	AFMC/SA-ALC	JUL 92	OCT 93	28	131,353	*****		
FY98 FY99	STANDARD MFG	SS/FFP SS/FFP	AFMC/SA-ALC AFMC/SA-ALC	OCT 97 OCT 98	APR 99 OCT 99	33	299,132	YES	8 8 8	T

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REMARKS	9/9
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Exhibit P-5a Procurement History and Planning	
PAGE NO.	
P-1 SHOPP LIST ITEM NO. 63	

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P-1 SHOPPING LIST ITEM NO. 63 UNCLASSIFIED

Page 1 of 2 Pages
Exhibit P.21 Production Schedule

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UNCLASSIFIED REQUIREMENTS STUDY

DATE: FEBRUARY 1997 P-1 ITEM NOMENCLATURE: MJ-40 LIFT TRUCK

NSN: 1730-01-147-1735

APPROPRIATION / BUDGET ACTIVITY: AIRCRAFT PROCLIPEMENT, COMMON SUPPOPT
ASSETS On Hand as of 31 Mar 96 Due-in w/FY97 Funds TOTAL ASSETS:
USAGE (Planned & Projected thru FY99 FDP) FY98 since as of date: FY99:
FY00: FY01: FY02:
IOIAL DISPOSALS (44 MONIHS) PROCUREMENT LEADTIME: 18 MONTHS
NET ASSETS:
actual training expenditure Fy98
FY97 FY96
FY95
FY94

	91 18 0 109	109	64 45 33	109	
INVENTORY OBJECTIVE Number of Combat Loads Assets Required for Combat Loads Combat Expenditures War Reserve Requirement Annual Training Annual Testing	Air Force Requirement Air National Guard Requirement Air Force Reserve Requirement TOTAL REQUIREMENT	APPROVED ACQUISITION OBJECTIVE PROCUREMENT REQUIREMENT Total FY98 Requirement	Less Net Assets Required FY98 Procurement Planned FY98 Procurement	Total FY99 Requirement Less Net Assets Less FY98 Planned Procurement Required FY99 Procurement Planned FY99 Procurement	REMARKS: ST
0 0 0 0		64			P-1 SHOPP LIST ITEM NO. 63

UNCLASSIFIED

ACTUAL OTHER THAN TRAINING EXPENDITURE

FY98 FY97

FY96 FY95 FY94 Exhibit P-20 Requirements Study $\mid \mathcal{G} \mid$

		BODB	BUDGET ITEM JUSTIFI (EXHIBIT P-40)	I JUSTIFICATION BIT P-40)			DATE FEBRUARY 1997	14 1997 14 1997
AIRCRAFT	APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIF	COMMON SUPPO	ORT EQUIPMENT	P-1 ITEM NOME	NCLATURE I	P-1 ITEM NOMENCLATURE Self-Generating Nitrogen System (SGNS) NSN: 3655-01-347-9055	en System (SGNS	
	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03
QUANTITY	0	0	2	233	009	356	0	0
COST (In Mil)	\$0	\$0	\$0.750	\$16.688	\$43.710	\$26.508	\$0	\$0

from ambient, compressed air. It will produce 95.5 percent pure nitrogen at 4,000 pounds per square inch gage (PSIG) at a rate of not less than 15 standard transported by helicopter and fixed wing aircraft. The SGNSC will produce gaseous nitrogen by use of a plastic fiber membrane that separates pure nitrogen A. DESCRIPTION/FUNCTION: The Self-Generating Nitrogen System (SGNS) is lightweight and portable. It can be towed over unimproved surfaces and cubic feet per minute (SCFM). The nitrogen gas will be used to service tires, struts and accumulators. The SGNSC is a self-contained, enclosed, diesel engine powered, four wheel, towable cart with a weight of less than 4,000 pounds.

servicing unit (LN-2), the six and eight bottle nitrogen servicing carts and an air compressor. This system will be rapidly deployable and capable of supporting B. PURPOSE OF PROCUREMENT: FY98 funding begins a procurement program that will replace three unreliable and obsolete systems: the liquid nitrogen aircraft under remote and bare base conditions. The need to store and transport liquid nitrogen under these conditions will be greatly reduced. Additionally, the SGNSC improves safety and reduces dependency on foreign sources. It will eliminate the need to handle cryogenic liquids, reduce the possibility of personnel injury due to ignition of aircraft tires and significantly reduce maintenance operations.

C. APPLICATION: SGNS will be used to service tires, struts and accumulators on a multitude of aircraft.

REQUIREMENTS: FY98 - 2 shortages FY99 - 233 shortages

without SGNS. If not procured, the Air Force will continue to preposition empty equipment (storage tanks & LN-2 carts) that still require the shipment of liquid E. IMPACT: The current Air Force systems are inefficient, costly to maintain and unreliable. Bare base operations will continue to be difficult and costly nitrogen to the deployed areas of operation.

F. TYPE ITEM CODE: A

G. ANG/AFR:

FY99

QTY/DOLLARS 6/\$.427

QTY/DOLLARS 10/\$.712

P-1 SHOPP LIST ITEM NO. 63	PAGE NO.	

	WE,	APON	SYSTE	WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	IALYSIS of dollars)	SEXHIE	3IT (P-5)				D. DATE FEB	ATE FEBRUARY 1997	Y 1997
A. APPROPRIATION/BUDGET ACTIVITY B. WEAPON MODEL/SERIES/ POPULAR NAME TITLE/NO.	T ACTI	YTIV	B. WE.	APON MODEL	/SERIES/	/ POPUL	AR NAME		C. MANUF	C. MANUFACTURER NAME/PLANT/ CITY/STATE LOCATION	NAME	PLANT/ C	ITY/STATE
			SELF-C	SELF-GENERATING NITROGEN SERVICING CART	NITROGE	EN SERV	ICING CART						
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT	COMM	NO	NSN:	NSN: 3655-01-347-9055)55			_	UNKNOWN	N			
Weapon System Cost Elements	IDENT		FY 96	æ		FY 97	2		FY 98	. 60		FY 99	•
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		QTY	COST	TOTAL COST	QTY	COST	TOTAL COST	ΔTΑ	COST	TOTAL COST	QTY	COST	TOTAL COST

PAGE NO.

P-1 SHOPP LIST ITEM NO. 63

Exhibit P-5 Weapon System Cost Analysis

BUDGE	BUDGET PROCUREMENT	NT HISTORY	HISTORY PLANNING EXHIBIT (P-5A)	EXHIBIT	(P-5A)			A. DATE	ш	
	9)	(Cost in thousands of dollars)	f dollars)					FEB	FEBRUARY 1997	266
B. APPROPRIATION/BUDGET ACTIVITY				C. P-1	ITEM NOM	ENCLATUR	C. P-1 ITEM NOMENCLATURE SELF-GENERATING NITROGEN	ERATIN	S NITRO	SEN
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPM	ION SUPPORT EQU	JIPMENT			SERVIC	SING CART	SERVICING CART NSN: 3655-01-347-9055	01-347-90	155	
Cost Element/	CONTRACTOR/	CONTRACT	CONTRACTED AWARD DATE OF QUANTITY	AWARD	DATE OF	QUANTITY	UNIT	SPECS	SPECS SPEC IF YES,	IF YES,
FISCAL YEAR	LOCATION	METHOD	Β¥	DATE	FIRST		COST	AVAIL	REV	WHEN
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D. REMARKS FY98 COST IS FOR 2 FIRST ARTICLES. FY99 COST BASED ON AN ESCALATION OF A 1992 WR-ALC CONTRACT FOR 14 EACH STATIONARY UNITS (\$62K).

Procurement History and Planning
GE NO. Exhibit P-5a i
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P-1 SHOPPING LIST ITEM NO. 63 UNCLASSIFIED

Page 1 of 2 Pages
Exhibit P-21 Production Schedule

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REORDER						

REQUIREMENTS STUDY UNCLASSIFIED

AIRCRAFT PROCUREMENT, COMMON SUPPORT APPROPRIATION / BUDGET ACTIVITY:

EQUIPMENT

ASSETS

Due-in w/all Prior Years' Funds On Hand as of 31 Mar 96 Due-in w/FY97 Funds

TOTAL ASSETS:

USAGE (Planned & Projected thru FY99 FDP)

FY98 since as of date:

FY00: FY99:

FY01:

FOTAL DISPOSALS (_51 MONTHS) FY02:

PROCUREMENT LEADTIME: 16 months

NET ASSETS:

ACTUAL TRAINING EXPENDITURE

FY97

FY96 FY95

FY94

ACTUAL OTHER THAN TRAINING EXPENDITURE

FY98 FY97

FY96

FY95

P-1 ITEM NOMENCLATURE: SELF-GENERATING NITROGEN SYSTEM NSN: 3655-

01-347-9055

DATE: FEBRUARY 1997

NVENTORY OBJECTIVE

Number of Combat Loads

Assets Required for Combat Loads Combat Expenditures 420

War Reserve Requirement

Annual Training Annual Testing

Maintenance Pipeline

Air Force Requirement

1286 389 149

> Air National Guard Requirement Air Force Reserve Requirement

TOTAL REQUIREMENT

APPROVED ACQUISITION OBJECTIVE

1879

1879

PROCUREMENT REQUIREMENT

420

otal FY98 Requirement Less Net Assets

Required FY98 Procurement

1459

1879 420 1879

233 1457

Planned FY98 Procurement

Total FY99 Requirement

Less Net Assets

Less FY98 Planned Procurement

Required FY99 Procurement Planned FY99 Procurement

REMARKS:

P-1 SHOPP LIST ITEM NO. 63 UNCLASSIFIED

Exhibit P-20 Requirements Study 99

		BUDG	BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	FICATION 0)			DATE FEBRUARY 1997	RY 1997
APPROPRIA AIRCRAFT I	APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMO	APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUII	ORT EQUIPMENT	P-1 ITEM NOME	NCLATURE	P-1 ITEM NOMENCLATURE UNIVERSAL MAINTENANCE STAND (UMS) DIESEL NSN: 1730-01-370-4268	ANCE STAND (UI	AS) DIESEL
	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03
QUANTITY	_	0	53	o	0	0	0	0
COST (In Mil)	\$0.133	\$0.00	\$7.144	\$1.283	\$0	0\$	\$0	\$0

stabilizers. This "state-of-the-art" platform used for organizational maintenance is one of two maintenance platforms in the Ar Force inventory that can be used Platform dimensions are 96" wide x 180" long. It contains hydraulic power for lifting. Driving and steering are provided by a variable displacement drive pump A. DESCRIPTION/FUNCTION: The Universal Maintenance Stand (UMS) is a split deck, scissors-type platform consisting of four hydraulic operated, caster tipped stabilizers mounted at each corner of the chassis. Elevated platform height is 36% feet at the extended position with a workload capacity of 2,000 lbs. and a fixed displacement lift and steering pump driven by a 20 horsepower diesel engine. The UMS is mounted on a four wheel chassis with four outrigger to perform aircraft maintenance for large aircraft on the tail section and rudder.

B. PURPOSE OF PROCUREMENT: The FY98/99 procurement program will satisfy shortages in the field.

C. APPLICATION: Multiple large aircraft.

D. REQUIREMENTS: FY98 - 53 shortages

FY99 - 9 shortages

E. IMPACT: The UMS is used to perform critical maintenance and inspection. Failure to procure shortages will directly cause an increase in time and manhours needed to perform required maintenance and inspections, will increase aircraft downtime, and affect mission readiness.

F. TYPE ITEM CODE: A

G. ANG/AFR:

FY98

ANG QTY/DOLLARS 2/\$.270

AFR QTY/DOLLARS 1/\$.135 P-1 SHOPP LIST PAGE NO. ITEM NO. 63

	BUDGE! PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)	A HISTORY	Y PLANNING	TXTIBE!	(P-5A)			A. DATE	ш	
))	(Cost in thousands of dollars)	of dollars)					FEB	FEBRUARY 1997	1997
B. APPROPRIATION/BUDGET ACTIVITY	VITY				C. P-1	C. P-1 ITEM NOMENCLATURE UMS. DIESEL	CLATURE L	IMS. DIE	SEL	
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMEN	ION SUPPORT EQU	IIPMENT				NSN: 17	NSN: 1730-01-370-4268	89		
Cost Element	CONTRACTOR/	CONTRACT	CONTRACTED	AWARD	DATE OF	۵	LIND	SPECS	SPEC	IF YES.
FISCAL YEAR	LOCATION	METHOD	84	DATE	FIRST		COST	AVAIL		WHEN
		& TYPE			DELIVERY			MON	REQ'D	AVAIL

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FY98	UNKNOWN	OPTION	AFMC/SA-ALC	OCT 97	APR 99	53	134,795	YES	8		
FY99	UNKNOWN	OPTION	AFMC/SA-ALC	OCT 98	FEB 00	6	142,515 YES	YES	S S		

P-1 SHOPP LIST PAGE NO. Exhibit P-5a Procurement History and Planning			
P-1 SHOPP LIST PAGE NO.	P-1 SHOPP LIST PAGE NO.	P-1 SHOPP LIST PAGE NO. ITEM NO. 63	P-1 SHOPP LIST PAGE NO.
P-1 SHOPP LIST ITEM NO. 63	P-1 SHOPP LIST ITEM NO. 63	P-1 SHOPP LIST ITEM NO. 63	P-1 SHOPP LIST ITEM NO. 63

P-1 SHOPPING LIST ITEM NO. 63 UNCLASSIFIED

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Page 2 of 2 Pages Exhibit P-21 Production Schedule

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P-1 SHOPPING LIST ITEM NO. 63 UNCLASSIFIED

UNCLASSIFIED REQUIREMENTS STUDY

P-1 ITEM NOMENCLATURE: UMS, DIESEL NSN: 1730-01-370-4268

AIRCRAFT PROCUREMENT, COMMON SUPPORT	OCUREMENT, COMMON SUPPOR	VIRCRAFT PR
ASSETS		SSETS

On Hand as of 31 Mar 96

Due-in w/ell Prior Years' Funds

Due-in w/FY97 Funds

TOTAL ASSETS:

USAGE (Planned & Projected thru FY99 FDP)

FY98 since as of date: FY99: FY00:

FY01:

FY02:

TOTAL DISPOSALS (_51 MONTHS)
PROCUREMENT LEADTIME: 16 months

NET ASSETS:

ACTUAL TRAINING EXPENDITURE

FY97 FY96

FY95 FY94 ACTUAL OTHER THAN TRAINING EXPENDITURE
FY98
FY97
FY96
FY95

APPROVED ACQUISITION OBJECTIVE Assets Required for Combat Loads ess FY98 Planned Procurement Air National Guard Requirement Air Force Reserve Requirement PROCUREMENT REQUIREMENT Required FY98 Procurement Required FY99 Procurement Planned FY98 Procurement Planned FY99 Procurement War Reserve Requirement Number of Combat Loads otal FY98 Requirement **NVENTORY OBJECTIVE** Fotal FY99 Requirement TOTAL REQUIREMENT Air Force Requirement Combat Expenditures Maintenance Pipeline ess Net Assets ess Net Assets Annual Training **Annual Testing** REMARKS: 126 87

188

188

126

53 62

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188 126 53

UNCLASSIFIED

P-1 SHOPP LIST ITEM NO. 63

Exhibit P-20 Requirements Study

		BUDG	BUDGET ITEM JUSTIFICATION	FICATION			DATE FEBRUARY 1997	RY 1997
			(EXHIBIT P-40)	(0)				
APPROPRIA AIRCRAFT	APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT	COMMON SUPPO	RT EQUIPMENT	P-1 ITEM NOME	NCLATURE R.	P-1 ITEM NOMENCLATURE R.F. BRAT RUGGEDIZED NSN: 4920-NC-D01-5256DQ	ZED 256DQ	
	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03
QUANTITY	0	0	7	0	0	0	0	0
COST (In Mil)	\$0	\$0	\$15.270	\$6.200	0\$	\$0	\$0	\$0

can also be used as general purpose test equipment through its built-in virtual panels. The interface provides universal analog, dynamic digital and static digital system, used to test aircraft Line Replaceable Units (LRU's). It is based on an open architecture of commercial equipment in a modular design. The tester can BRAT features instrument-on-a-card and modular technologies to provide complex testing capabilities. Programming is done through a graphical spreadsheet" A. DESCRIPTION/FUNCTION: The Ruggedized Transportable Radio Frequency Benchtop Reconfigurable Automatic Tester (R.F. BRAT) is a flexible test test points; three phase facility power routing, and dedicated R.F. paths, which reduce the number and complexity of interface test adapters (ITA). The R.F. environment, providing low learning curves and high throughput. The standard operating environment is Windows.

B. PURPOSE OF PROCUREMENT: FY98 funds field shortages, FY99 procures Test Program Sets (TPSs).

C. APPLICATION: E-3B/C

D. REQUIREMENTS: FY98 - 7 shortages

components. This tester is the latest state-of-the-art and will eliminate obsolete equipment and replace various outdated test equipment presently being used consist of software, interface test adapters, documentation and cables are required as an interface between the tester and the aircraft's line replaceable units for state-of-the-art aircraft equipment. These testers will meet present and expected future deployment requirements. Test Program Sets (TPSs) which E. IMPACT: Failure to procure this equipment will greatly impair the E-3B/C mission and ground aircraft due to lack of ability to test critical avionics (LRUs). The R.F. BRAT ruggedized station will increase reliability and maintainability and reduce test time.

F. TYPE ITEM CODE: A

G. ANG/AFR: N/A

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				Cost in thousands	housands of dollars)						ī	FEBRUARY 1997	Y 1997
A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO.	TACT	YTIVI	B. WE	B. WEAPON MODEL/SERIES/ POPULAR NAME	/SERIES.	/ POPUL	AR NAME	0	C. MANUE	C. MANUFACTURER NAME/PLANT/ CITY/STATE LOCATION	NAME/P	LANT/ C	TY/STATE
			R.F. BF	R.F. BRAT RUGGEDIZED	ZED								
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT	COMIN	NON	NSN: 4	NSN: 4920-NC-D01-5256DQ	5256DQ			<u> </u>	UNKNOWN	Z			
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INDEPENDENT VALIDATION	<		- ,,,		450			450
OTHER COSTS	4				300			300
*OTHER COSTS: Environmental,								
testing, program management								
TOTAL					15.270			6.200

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PAGE NO.

P-1 SHOPP LIST ITEM NO. 63

Exhibit P-5 Weapon System Cost Analysis

BUDGE	BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)	IT HISTORY	PLANNING	EXHIBIT	(P-5A)			A. DATE	ш	
	0)	(Cost in thousands of dollars)	(dollars)		•			FEB	FEBRUARY 1997	1997
B. APPROPRIATION/BUDGET ACTIVITY	IVITY			Ċ	D-1 ITEM N	OMENCLAT	C. P-1 ITEM NOMENCLATURE R.F. BRAT RUGGEDIZED	AT RUG	GEDIZE	O
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMEN	MON SUPPORT EQU	IPMENT				NSN: 4920	NSN: 4920-NC-D01-5256DQ	SDQ		
Cost Element/	CONTRACTOR/	CONTRACT	CONTRACTED	AWARD	DATE OF	QUANTITY	TINO	SPECS	SPEC	IF YES,
FISCAL YEAR	LOCATION	METHOD	BY	DATE	FIRST		COST	AVAIL	REV	WHEN
		& TYPE			DELIVERY			MON	REQ'D	AVAIL
FY98	UNKNOWN	C/FFP	AFMC/SA-ALC	DEC 97	DEC 98	2	1,217,172	YES	YES	
FY99	UNKNOWN	C/FFP	AFMC/SA-ALC	DEC 98	AUG 99	18	250.000	YES	YES	

D. REMARKS FY98 unit cost are based on contractors FY96 estimated unit cost inflated;FY99 procurement is TPSs only			
	P-1 SHOPP LIST ITEM NO. 63	PAGE NO.	Exhibit P-5a Procurement History and Planning

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P-1 SHOPPING LIST ITEM NO. UNCLASSIFIED

FY98/99 BUDGET PRODUCTION SCHEDULE	DUCTIO	N SCH	EDULE				rei II EM NOMENGLATONE: n.r. noddenizeu INGN. 4820-NO-DOT-3238DG		;	;							1	1	5		5	1		1_		מיור: ובמיוסטיו ופפו											
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REQUIREMENTS STUDY

DATE: FEBRUARY 1997

P-1 ITEM NOMENCLATURE: R.F. BRAT RUGGEDIZED

NSN: 4920-NC-D01-5256DQ

Assets Required for Combat Loads

War Reserve Requirement

Annual Training

Annual Testing

Combat Expenditures

Number of Combat Loads

NVENTORY OBJECTIVE

AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT APPROPRIATION / BUDGET ACTIVITY

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Due-in w/all Prior Years' Funds On Hand as of 31 Mar 96 Due-in w/FY97 Funds TOTAL ASSETS: DISPOSALS (Planned & Projected thru FY98 FDP)

FY97 since as of date:

FY98:

FY99: FY00:

F701:

TOTAL DISPOSALS (36 months)

PROCUREMENT LEADTIME: 14 months

APPROVED ACQUISITION OBJECTIVE

PROCUREMENT REQUIREMENT

0

Total FY98 Requirement

ess Net Assets

Required FY98 Procurement Planned FY98 Procurement

Air National Guard Requirement

Air Force Requirement Maintenance Pipeline

Air Force Reserve Requirement

TOTAL REQUIREMENT

NET ASSETS:

ACTUAL TRAINING EXPENDITURE - NA

FY95 FY97 FY96

FY94

FY93

ACTUAL OTHER THAN TRAINING EXPENDITURE

FY96 -795 **FY94 FY97**

REMARKS:

FY93

P-1 SHOPPING LIST ITEM NO. 63

PAGE NO. 1 OF1

Exhibit P-20 Requirements Study, () 9

		BUDC	BUDGET ITEM JUSTIFI (EXHIBIT P-40)	I JUSTIFICATION BIT P-40)			DATE FEBRUARY 1997	7Y 1997
APPROPRIA AIRCRAFT	APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT	TIVITY COMMON SUPPO	ORT EQUIPMENT	P-1 ITEM NOME	ICLATURE 1	P-1 ITEM NOMENCLATURE TEST STATION, RADAR NSN: 4920-01-413-9279DQ	NR 9DQ	
	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03
QUANTITY	0	0	5	0	0	0	0	0
COST (In Mil)	\$0	\$0	\$12.103	\$6.400	0\$	\$0	\$0	\$0

A. DESCRIPTION/FUNCTION: The Radar Test Station is a modular design, flexible test system used for troubleshooting and minor repair of complex aircraft avionics line replaceable units. It can be used as general purpose test equipment (GPTE) through it's built-in virtual panels. The interface provides complex testing capabilities. Programming is done through a graphical spreadsheet environment, providing low learning curves and high throughput. The standard operating environment is Windows hosted on an Intel PC computer.

B. PURPOSE OF PROCUREMENT: FY98 procurement will replace obsolete equipment, FY99 will procure Test Program Sets (TPS).

C. APPLICATION: E-3B/C

D. REQUIREMENTS: FY98 - 5 replacements

the-art tester will eliminate the current obsolete, noneconomical and logistically insupportable equipment presently being used on state-of-the-art aircraft. Current requirements. Test Program Sets (TPSs) which consist of software, interface test adapters, documentation and cables are required as an interface between the E. IMPACT: This tester is critical for troubleshooting aircraft avionics and preventing the grounding of aircraft due to avionics failures/anomalies. This state-ofsystems are no longer supportable due to obsolescence and lack of commercial sources. The testers will meet present and expected future deployment ester and the aircraft's LRUs. The test station will increase reliability and maintainability and reduce test time.

F. TYPE ITEM CODE: A

G. ANG/AFR:

H. NA

P-1 SHOPP LIST PAGE NO. ITEM NO. 63	P-1 SHOPP LIST PAGE NO. ITEM NO. 63
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	AA		Sisie	WEAPON STSTEM COST ANALTSIS EXFIBIT (F-5) (Cost in thousands of dollars)	of dollars)	EAUII	(F-5)				D. DATE	A I E FEBRUARY 1997	Y 1997
A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO.	r ACT		B. WE.	B. WEAPON MODEL/SERIES/ POPULAR NAME	/SERIES	POPUI	AR NAME	0 1	C. MANUF,	C. MANUFACTURER NAME/PLANT/ CITY/STATE LOCATION	NAME/P	LANT/ C	ITY/STATE
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT	OMIN	NO	R.F. TE NSN: 4	R.F. TEST STATION, RADA NSN: 4920-01-413-9279DQ	IION, RADAR 13-9279DQ			ر	UNKNOWN	Z			
Weapon System Cost Elements	IDENT		FY 96	96		FY 97	_		FY 98	80		FY 99	
		YTO	UNIT	TOTAL COST	OTV	UNIT	TOTAL COST	ALC	TIND	TOTAL COST	7.00	TIND	

TEST STATION	4		ιΩ	1,060,539	5.303	0		C	
DATA	4				1.000	,		.700	
TEST PROGRAM SETS (TPS)	4		20	250,000	5.000	20	250.000	5.000	
SOFTWARE	∢				500	ì			
OTHER COSTS	4				450			450	
ICS	∢				.150			.250	
TOTAL					12.103			6.400	

Exhibit P-5 Weapon System Cost Analysis	
PAGE NO.	INCL ASSIFIED
P-1 SHOPP LIST ITEM NO. 63	

	-									
BUDGE	BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)	AT HISTORY	PLANNING	EXHIBIT	(P-5A)			A. DATE	ш	
	9)	(Cost in thousands of dollars)	f dollars)					FEB	FEBRUARY 1997	1997
B. APPROPRIATION/BUDGET ACTIVITY				C.	P-1 ITEM P	NOMENCLAT	C. P-1 ITEM NOMENCLATURE TEST STATION, RADAR	STATION	I, RADAI	~
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMI	AON SUPPORT EQU	IIPMENT				NSN: 4920	NSN: 4920-01-413-9279DQ	aDQ.		
Cost Element/	CONTRACTOR/	CONTRACT	CONTRACT CONTRACTED AWARD DATE OF QUANTITY	AWARD	DATE OF	QUANTITY	UNIT	SPECS SPEC IF YES,	SPEC	IF YES,
FISCAL YEAR	LOCATION	METHOD	BY	DATE	FIRST		COST	AVAIL	REV	WHEN
		& TYPE			DELIVERY			MON	NOW REG'D AVAIL	AVAIL

FY98	UNKNOWN	C/FFP	AFMC/SA-ALC	DEC 97	DEC 98	S	1,060,539 YES	YES	2		
FY98 (TPS's)	UNKNOWN	C/FFP	AFMC/SA-ALC	DEC 97	DEC 98	20	250	250 YES	9		
FY99 (TPS's)	UNKNOWN	C/FFP	AFMC/SA-ALC	DEC 98	AUG 99	50	250	YES	2		
		_			_					-	

D. REMARKS
FY98 unit cost is based on contractor's FY96 estimate with applicable indices.

P-1 SHOPP LIST PAGE NO. Exhibit P-5a Procurement History and Planning

Page 1 of 1 Pages Exhibit P-21 Production Schedule

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TOTAL

OCT NOV DECIAN FEB MARIAPRIMAY JUN JUL AUGISEP OCT NOV DECIAN FEB MARIAPRIMAY JUN JUL AUGISEP OCT NOV DECIAN FEB MARIAPRIMAY JUN JUL AUGISEP PROCUREMENT LEAD TIME
REMARKS:

ADMIN LEAD TIME MANUFACTURING TOTAL AFTER 1

AFT 1 OCT N

PR 1 OCT 9

INITIAL

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UNKNOWN

PROD RATES REA-

MANUFACTURER'S NAME AND LOCATION

UNCLASSIFIED P-1 SHOPPING LIST ITEM NO. 63

REORDER

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UNCLASSIFIED

1-001 1-001 DOVIDEG LAN FEB IMARIARD MAY JUN JUL AUG SEP DOT NOVIDEG LAN FEB IMARIARD MAY JUN JUL AUG SEP DOT NOVIDEG LAN FEB IMARIARD MAY JUN JUL AUG SEP

CALENDAR YEAR 99

CALENDAR YEAR 98

FISCAL YEAR 98

P-1 ITEM NOMENCLATURE: TEST STATION, RADAR NSN: 4920-01-413-9279DQ

CALENDAR YEAR 97

96

OTY PRIOR DUE 96

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FY99 (TPS) FY98 (TPS)

FISCAL YEAR 97

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FISCAL YEAR 99

DATE: FEBRUARY 1997

REQUIREMENTS STUDY

DATE: FEBRUARY 1997

P-1 ITEM NOMENCLATURE: TEST STATION, RADAR NSN: 4920-01-413-9279DQ

_	ORT EQUIPMENT
UDGET ACTIVII	T, COMMON SUPPORT
PROPRIATION / B	CRAFT PROCUREMENT, COMMON SUPPORT EQUIPMEN

0	Number of Combat Loads	
0	Assets Required for Combat Loads	
0	Combat Expenditures	
0	War Reserve Requirement	
	Annual Training	
	Annual Testing	
0	Maintenance Pipeline	
0	Air Force Requirement	140
0	Air National Guard Requirement	0
0	Air Force Reserve Requirement	
0 0	TOTAL REQUIREMENT	Ψ)
C	APPROVED ACQUISITION OBJECTIVE	9
	PROCUREMENT REQUIREMENT Total FY98 Regulement	u.
	Less Net Assets	
	Required FY98 Procurement	Ω.
	Planned FY98 Procurement	9

P-1 SHOPPING-LIST ITEM NO. 63 UNCLASSIFIED

ACTUAL OTHER THAN TRAINING EXPENDITURE
FY97
FY96
FY95
FY94
FY93
REMARKS:

PAGE NO. 1 OF 1

Exhibit P-20 Requirements Study

		BUDG	BUDGET ITEM JUST	JUSTIFICATION			DATE FEBRUARY 1997	RY 1997
APPROPRIA	APPROPRIATION/BUDGET ACTIVITY	YTIVIT	(EXHIBII P-40)	D-1 ITEM NOME	NCLATURE	P-1 ITEM NOMENCLATURE MHU-110 MUNITIONS TRAILER	TRAILER	
AIRCRAFT	AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPI	COMMON SUPPC	ORT EQUIPMENT			NSN: 174-00-403-8235	10	
	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03
QUANTITY	0	- 1	0	85	0	0	0	0
COST (In MII)	\$0	\$.042	\$0	\$3.676	\$0	\$0	\$0	\$0

requirements such as a cable harness, four main rails, four main rail extenders, 20 chock assemblies (including trolleys) and 40 chocks with tie down straps. The MHU-110 Munitions Trailer has a load capacity of 15,000 pounds and the overall dimensions are height 30 inches, width 87 inches and deck length 180 A. DESCRIPTION/FUNCTION: The MHU-110 Munitions Trailer is a ten-wheeled flatbed carrier capable of transporting any munitions within the load, dimensional and stability limitations stated within the Technical Order (T.O.). Each trailer requires specific accessories for general purpose functional

B. PURPOSE OF PROCUREMENT: FY99 procurement program will satisfy 85 initial shortages.

C. APPLICATION: Multiple aircraft.

D. REQUIREMENTS: FY99 - 85 shortages

E. IMPACT: In an Area of Responsibility (AOR), lack of the MHU-110 Munitions Trailer could result in delays in loading the 10,000 pound plus bombs. Failure to support this acquisition will severely impair the strategic forces war fighting capability and may result in decreasing the number of sorties flown by the B-1B and B-2 bomber aircraft.

F. TYPE ITEM CODE: A

G. ANG/AFR:

QTY/DOLLARS 1/\$.043

QTY/DOLLARS

FY99

PAGE NO.	
P-1 SHOPP LIST PAG ITEM NO. 63	

BUDGE	BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)	AT HISTORY	PLANNING	EXHIBIT	(P-5A)			A. DATE	ш	
	2)	(Cost in thousands of dollars)	f dollars)					FEB	FEBRUARY 1997	1997
B. APPROPRIATION/BUDGET ACTIVITY				C, P-1	ITEM NON	MENCLATUR	C. P-1 ITEM NOMENCLATURE MHU-110 MUNITIONS TRAILER	MUNITIO	NS TRA	LER
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMI	MON SUPPORT EQU	IPMENT				NSN: 17	NSN: 1740-00-403-8235	35		
Cost Element/	CONTRACTOR/	CONTRACT	CONTRACTED		DATE OF	AWARD DATE OF QUANTITY	UNIT	SPECS	SPECS SPEC IF YES,	IF YES,
FISCAL YEAR	LOCATION	METHOD	BY	DATE	FIRST		COST	AVAIL	REV	WHEN
		& TYPE			DELIVERY			≷CN	NOW REO'D	AVAII

Y95	SUPERIOR WELDING BARTLESVILLE, OK	C/FFP	AFMC/SA-ALC	36 NOL	MAR 96	ဖ	39,600		
797	UNKNOWN	C/FFP	AFMC/SA-ALC	MAY 97	MAY 98	-	42,114	YES	8
66A	UNKNOWN	OPTION	AFMC/SA-ALC	OCT 98	30L99	82	43,243		2

	contract inflated.
	d on FY95
D. HEMARKS	Jnit cost baser
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Exhibit P-5a Procurement History and Planning
PAGE NO.
P-1 SHOPP LIST ITEM NO. 63

Page 1 of 2 Pages Exhibit P-21 Production Schedule

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ITEM/MFG PROCUREMENT	တ ပ	ROCAC	PROC ACCPT BAL	_				FISC	AL Y	SCAL YEAR 97	21			-				FISC	FISCAL YEAR 98	EAR	88							FIS	FISCAL YEAR 99	YEAR	8 88				٦ ٩
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P-1 SHOPPING LIST ITEM NO. 63 UNCLASSIFIED

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MANUFACTURER'S NAME AND	ä	PROD RATES	ATES	REA							SE SE	J. J.	MEN	TLE	PROCUREMENT LEAD TIME	¥						ЯE	REMARKS:	KS:															
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P-1 SHOPPING LIST ITEM NO. 63 UNCLASSIFIED

REQUIREMENTS STUDY

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AIRCRAFT PROCUREMENT, COMMON SUPPORT APPROPRIATION / BUDGET ACTIVITY:

EQUIPMENT ASSETS

Due-in w/all Prior Years' Funds On Hand as of 31 Mar 96 Due-in w/FY97 Funds

FOTAL ASSETS:

USAGE (Planned & Projected thru FY99 FDP)

FY98 since as of date: FY99:

FY00:

FY01:

FY02:

PROCUREMENT LEADTIME: 9 months **COTAL DISPOSALS (51 MONTHS)**

NET ASSETS:

ACTUAL TRAINING EXPENDITURE

-Y97

FY96 FY95

FY94

ACTUAL OTHER THAN TRAINING EXPENDITURE

FY98 FY97 **FY96**

FY95

P-1 ITEM NOMENCLATURE: MHU-110 MUNITIONS TRAILER DATE: FEBRUARY 1997

NSN: 1730-00-403-8235

INVENTORY OBJECTIVE

Number of Combat Loads	Assets Required for Combat Loads
2303	20

Nar Reserve Requirement Combat Expenditures 2324

Annual Training

Maintenance Pipeline Annual Testing

Air Force Requirement

1506

535

Air National Guard Requirement Air Force Reserve Requirement

TOTAL REQUIREMENT

2369

2369

2369 2284

APPROVED ACQUISITION OBJECTIVE

2284

PROCUREMENT REQUIREMENT

otal FY98 Requirement ess Net Assets

Required FY98 Procurement

Planned FY98 Procurement

2369

2284

Fotal FY99 Requirement ess Net Assets

ess FY98 Planned Procurement Required FY99 Procurement Planned FY99 Procurement

REMARKS:

P-1 SHOPP LIST ITEM NO. 63

UNCLASSIFIED

Exhibit P-20 Requirements Study

		BUDG	BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	FICATION 0)			DATE FEBRUARY 1997	RY 1997
APPROPRIA	APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUI	TIVITY COMMON SUPPC	ORT EQUIPMENT	P-1 ITEM NOMEN	ICLATURE	P-1 ITEM NOMENCLATURE C-5 EMPENNAGE STAND NSN: 1730-00-158-3039	QN 0	
	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03
QUANTITY	0	0	1	2	0	0	0	0
COST (In Mil)	\$0	\$0	\$1.327	\$4.223	\$0	\$0	\$0	\$0

A. DESCRIPTION/FUNCTION: The C-5A Empennage Stand is a self-propelled unit that contains six working levels including a horizontal platform at the upper level. The empennage stand is 71'9" tall and 76'8" wide. The stand is designed to provide access to all inspection points to allow personnel to remove, install, and inspect all empennage accessories and flight controls on the C-5A aircraft.

B. PURPOSE OF PROCUREMENT: FY 98/99 procurement program will satisfy shortages and provide replacements for field units.

C. APPLICATION: C-5A aircraft

D. REQUIREMENTS: FY98 - 1 shortageFY99 - 1 shortage, 4 replacements

maintenance functions that are critical to C-5 inspections, repair and time compliance technical orders will be severely restricted and impact mission readiness. E. IMPACT: The empennage stands are essential to the maintenance reliability of the C-5 aircraft fleet. Without this stand, performance of many

F. TYPE ITEM CODE: A

G. ANG/AFR: N/A

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PAGE NO.

P-1 SHOPP LIST ITEM NO. 63

	WE/	NOA	SYSTE	WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	IALYSIS of dollars)	EXHIE	3IT (P-5)				D. DATE FEB	ATE FEBRUARY 1997	(1997
A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO.	ACTI		B. WE	B. WEAPON MODEL/SERIES/ POPULAR NAME	SERIES	POPUI	AR NAME		C. MANUF.	C. MANUFACTURER NAME/PLANT/ CITY/STATE LOCATION	NAME/P	LANT/ C	TY/STATE
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT	OMM	N.	NSN:	NSN: 1730-00-158-3039	39				UNKNOWN	Z			
Weapon System Cost Elements	IDENT		FY 96	96		FY 97	7		FY 98	8		FY 99	
		ату	COST	TOTAL COST	ΔTV	UNIT	TOTAL COST	QTY	COST	TOTAL COST	QTY	UNIT	TOTAL COST

.500 844,690 4.223	.327
826,996	-
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4 4	44/4
C-5A EMPENNAGE STAND TECHNICAL DATA	TOTAL

CINCI ASSIEIED	ITEM NO.
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Exhibit P-5 Weapon System Cost Analysis

BUDGE	BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)	NT HISTORY	ISTORY PLANNING	EXHIBIT	(P-5A)			A. DATE	ш	
))	(Cost in thousands of dollars)	f dollars)					FEBI	FEBRUARY 1997	1997
B. APPROPRIATION/BUDGET ACTIVITY				ပ	P-1 ITEM N	OMENCLA	C. P-1 ITEM NOMENCLATURE C-5 EMPENNAGE STAND	PENNAG	E STAN	٥
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT	JON SUPPORT EQU	IIPMENT				NSN: 17	NSN: 1730-00-158-3039	39		1
Cost Element	CONTRACTOR	CONTRACT	CONTRACTED	AWARD	DATEOF	QUANTITY	UNIT	SPECS SPEC		IF YES.
FISCAL YEAR	LOCATION	METHOD	Β¥	DATE	FIRST		COST	AVAIL		WHEN
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FY87	ATCKISON	SS/FFP	AFMC/SA-ALC	JAN 88	10L 89	က	652,720			
FY98	UNKNOWN	C/FFP	AFMC/SA-ALC	OCT 97	30L 99	-	826,996		2	
FY99	UNKNOWN	OPTION	AFMC/SA-ALC	MAY 99	MAR 01	Ŋ	844,690	YES	S.	

D. REMARKS
UNIT COST IS BASED ON FY87 CONTRACT INFLATED.

Exhibit P-5a Procurement History and Planning P-1 SHOPP LIST PAGE NO. ITEM NO. 63

FY68/99 BUDGET PROD	UCTO	N SCH	EDULE		P-1	P-1 ITEM NOMENCLATURE: C-5 EMPENNAGE STAND, 1730-00-158-3039	NO.	VEN	CLAT	URE	3	Ē	EN	IAGE	STA	ND,	730	9	58-30	39				à	ATE:	EB	ACA.	DATE: FEBRUARY 1997	266										
ITEMMFG PROCUREMENT S PROCACOPT	OD L	PROC	PROC ACCPT BAL	3A.E.					FISCAL YEAR 97	ALY	EAR	26								FISCAL YEAR 98	AL Y	EAR	88								FIS	FISCAL YEAR 99	YEAF	66					۔ د
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P-1 SHOPPING LIST ITEM NO. 63 UNCLASSIFIED

FY98/99 BUDGET PRODUCTION SCHEDULE	DUCTK	N SCH	EDULE					יייי ייייי יייייי יייייי יייייי יייייי יייי			•		i		1			2	3	200				3	į		Č	-	DAIE. FEBRUARI 1887									
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UNCLASSIFIED REQUIREMENTS STUDY

	U SUPPORT	
ACTIVITY:	COMMON S	
A / BUDGET	UREMENT,	
APPROPRIATION / BUDGET ACTIVI	AIRCRAFT PROCUREMENT	
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EQUIPMENT ASSETS

On Hand as of 31 Mar 96 Due-in w/all Prior Years' Funds Due-in w/FY97 Funds

TOTAL ASSETS:

USAGE (Planned & Projected thru FY99 FDP)

FY98 since as of date:

FY99: FY00:

FY01: FY02:

TOTAL DISPOSALS (61 MONTHS)

PROCUREMENT LEADTIME: 21 MONTHS

NET ASSETS:

ACTUAL TRAINING EXPENDITURE

FY98 FY97

FY96 FY95

FY94

ACTUAL OTHER THAN TRAINING EXPENDITURE

FY98 FY97

FY96

FY95

FY94

P-1 ITEM NOMENCLATURE: C-5 EMPENNAGE STAND NSN: 1730-00-158-3039

INVENTORY OBJECTIVE

7	Number of Combat Loads	
0	Assets Required for Combat Loads	
0	Combat Expenditures	
7	War Reserve Requirement	
	Annual Training	
	Annual Testing	
0	Maintenance Pipeline	
0	Air Force Requirement	
0	Air National Guard Requirement	
0	Air Force Reserve Requirement	
4		
4	TOTAL REQUIREMENT	

APPROVED ACQUISITION OBJECTIVE

PROCUREMENT REQUIREMENT

က

Total FY98 Requirement Less Net Assets Required FY98 Procurement Planned FY98 Procurement

Total FY99 Requirement

Less Net Assets Less FY98 Planned Procurement Required FY99 Procurement

Planned FY99 Procurement

REMARKS:

P-1 SHOPP LIST ITEM NO. 63 UNCLASSIFIED

Exhibit P-20 Requirements Study

		BUDG	BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	FICATION (0)			DATE FEBRUARY 1997	IRY 1997
APPROPRIA AIRCRAFT	APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT	COMMON SUPPO	ORT EQUIPMENT	P-1 ITEM NOMEN	ICLATURE	P-1 ITEM NOMENCLATURE AUTOMATIC TESTER NSN: 4920-01-282-4191DQ	1DQ	
	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03
QUANTITY	0	0	12	0	0			
COST (In Mil)	\$0	0\$	\$3.790	0\$	\$0	\$0	0\$	0\$
								2

testing capability. The system, housed in a desk style test bench, also includes programmable AC and DC powered supplies. The 486/33 computer system synchro-resolver, two function generators, digital data stimulus and response instruments, and a digitizing oscilloscope thus providing full analog and digital A. DESCRIPTION/FUNCTION: This tester is a state-of-the-art, portable automatic test system used for testing and repair of C-5 avionics components. The tester employs industry standard instruments for both measurement and stimulus functions. Included are a digital multi-meter, counter-timer, provides program control and communicates to all system assets via an interface bus. Test program sets are written in user-friendly language.

B. PURPOSE OF PROCUREMENT: FY98 procurement will fill field shortages.

C. APPLICATION: C-5

D. REQUIREMENTS: FY98 - 12 shortages

E. IMPACT: Lack of this item at field activities will increase aircraft downtime due to maintenance technicianspossesing no viable avionics testing capability. Without this tester, maintenance will not be able to meet inspection criterion and schedules, perform timely repair actions or conduct emergency repairs impacting mission readiness.

F. TYPE ITEM CODE: A

G. ANG/AFR:

FY98

ANG QTY/DOLLARS 2/\$.632

AFR QTY/DOLLARS 2/\$.632

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BUDGE	BUDGET PROCUREMENT HIS	AT HISTORY	ISTORY PLANNING EXHIBIT (P-5A)	EXHIBIT	(P-5A)			A. DATE	ш	
	2)	(Cost in thousands of dollars)	f dollars)					FEB	FEBRUARY 1997	1997
B. APPROPRIATION/BUDGET ACTIVITY	VITY			3	P-1 ITEM	NOMENCL!	C. P-1 ITEM NOMENCLATURE AUTOMATIC TESTER	DMATIC	TESTER	
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMEN	ION SUPPORT EQU	IPMENT				NSN: 492	NSN: 4920-01-282-4191DQ	IDa		
Cost Element/	CONTRACTOR/	CONTRACT	CONTRACTED		AWARD DATE OF	QUANTITY	TINO	SPECS	SPECS SPEC	IF YES,
FISCAL YEAR	LOCATION	METHOD	BY	DATE	FIRST		COST	AVAIL	REV	WHEN
		& TYPE			DELIVERY			MON	REQ'D	AVAIL

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FY93	ADVANCE TESTING TECHNOLOGIES, INC (ATTI), HAUPPAGUE,	SS/FFP	AFMC/SA-ALC	DEC 93	NOV 94	4	290,000			
FY98	ATTI	SS/FFP	AFMC/SA-ALC	OCT 97	SEP 98	12	315,810 YES	YES	ON	

D. REMARKS
UNIT COST IS BASED ON FY93 CONTRACT INFLATED.

Exhibit P-5a Procurement History and Planning
PAGE NO.
P-1 SHOPP LIST ITEM NO. 63

ITEMMEG PROCUREMENT S DESCRETE	S	DBOC ACCOT BA	100	3					FISCAL YEAR 97	A Y	EAR	28								FISC	FISCAL YEAR 98	EAR	88				_				FISCAL YEAR 99	AL YE	EAH (66				-1 4
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P-1 SHOPPING LIST ITEM NO. 63 UNCLASSIFIED

REQUIREMENTS STUDY

DATE: FEBRUARY 1997

P-1 ITEM NOMENCLATURE: BENCHTOP RECONFIGURABLE AUTOMATIC TESTER

NSN: 4920-01-282-4191DQ

AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT APPROPRIATION / BUDGET ACTIVITY

AIRCRAFT PROCOREIMENT, COMINION OF	ASSETS On Hand as of 31 Mar 96 Due-in w/all Prior Years' Funds Due-in w/FY97 Funds
AIRCRAFT FRO	ASSETS On Hand as of Due-in w/all Pi Due-in w/FY97

DISPOSALS (Planned & Projected thru FY98 FDP)
FY97 since as of date;
FY98;
FV99;
FV00;
FY01:
TOTAL DISPOSALS (35 months)
PROCUREMENT LEADTIME: 12 months

ACTUAL TRAINING EXPENDITURE - NA	76	96	95	94	33
ACTU/	FY97	FY96	FY95	FY94	FY93

NET ASSETS:

ICTUAL OTHER THAN TRAINING EX	26A:	FY96	795
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PENDITURE

REMARKS: FY93

FY94

PAGE NO. 1 OF 1

Exhibit P-20 Requirements Study $\angle 29$

SHOPPING LIST	TEM NO. 63	CLASSIFIED
P-1 SHC	ITEM	UNCL

Assets Required for Combat Loads Number of Combat Loads War Reserve Requirement Combat Expenditures

INVENTORY OBJECTIVE

Maintenance Pipeline Air Force Requirement Annual Training Annual Testing

Air National Guard Requirement Air Force Reserve Requirement

TOTAL REQUIREMENT

APPROVED ACQUISITION OBJECTIVE

PROCUREMENT REQUIREMENT

Required FY98 Procurement Planned FY98 Procurement **Fotal FY98 Requirement** Less Net Assets

		BODE	BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	FICATION 0)			DATE FEBRUARY 1997	1997
APPROPRIA AIRCRAFT	APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT	COMMON SUPPO	ORT EQUIPMENT	P-1 ITEM NOMEN	ACLATURE N	P-1 ITEM NOMENCLATURE MAINTENANCE PLATFORM, HIGH REACH NSN: 1730-01-249-0097	FORM, HIGH REAC	.
	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03
QUANTITY	0	0	7	0	0	0	0	0
COST (In Mil)	\$0	\$0	\$4.453	\$0	\$0	\$0	\$0	\$0

platform are assembled to form an integrated mechanical structure providing for vertical and horizontal movement. The boom assembly can be extended to a maximum height of 125 ft and has a maximum horizontal reach of 60 ft. when the boom is extended to 72 ft. Capacity of the platform is 1,500 lbs. Platform is A. DESCRIPTION/FUNCTION: The Maintenance Platform is a complete self-contained, hydraulically operated unit mounted on a truck type carrier. The aerial lift's main components consist of: a turret, inner and outer columns, inner and outer boom and a platform. The inner and outer boom and used to perform maintenance on and remove/install the stabilizer on C-17 and C-5 aircraft. It can also be used as a deicer on large aircraft.

B. PURPOSE OF PROCUREMENT: FY98 procurement program will satisfy 6 field shortages and 1 replacement.

C. APPLICATION: C-17 and C-5 aircraft.

D. REQUIREMENTS: FY98 - 6 shortages and 1 replacement

E. IMPACT: Failure to procure the High Reach Maintenance Platform will suspend critical maintenance and inspection procedures, particularly those required for the tail section of the C-17 and C-5 aircraft. Currently field units are forced to borrow high reach platforms from other locations or from the local economy which impacts mission readiness by increasing aircraft downtime for maintenance.

F. TYPE ITEM CODE: A

G. ANG/AFR: N/A

ON HOOK	F-1 SHOPP LIST ITEM NO. 63
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BUDGE	BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)	AT HISTORY	PLANNING	EXHIBIT	(P-5A)			A. DATE	.	
	9	(Cost in thousands of dollars)	of dollars)					FEB	FEBRUARY 1997	1997
B. APPROPRIATION/BUDGET ACTIVITY				c G	1-1 ITEM NO	MENCLATU	C. P-1 ITEM NOMENCLATURE MAINTENANCE PLATFORM	NANCE	PLATFO	2
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT	ION SUPPORT EQU	IIPMENT				NSN: 17:	NSN: 1730-01-249-0097	197		
Cost Element/	CONTRACTOR/	CONTRACT	CONTRACTED	AWARD	DATE OF	QUANTITY	TINO	SPECS	SPEC	IF YES,
FISCAL YEAR	LOCATION	METHOD	84	DATE	FIRST		COST	AVAIL	REV	WHEN
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		& TYPE			DELIVERY			NON	NOW HEAD AVAIL	AVAIL
FY96	DLA/CALAVAR SANTA FE SPRINGS,	5yr reqmt contract, MIPR	AFMC/SA-ALC	MAY 96	SEP 96	17	270,000			
FY98	DLACALAVAR	OPTION/MIPR. AFMC/SA-ALC	AFMC/SA-ALC	OCT 97	OCT 98	1	636,120 YES	YES	<u>Q</u>	1011

D. REMARKS
Unit price is based on quote from DLA. Basic competitive contract awarded May 96, expires May 2001. (FY96 contract contained initial C-17 requirements.)

P-1 SHOPP LIST PAGE NO.

Exhibit P-5a Procurement History and Planning

UNCLASSIFIED

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P-1 SHOPPING LIST ITEM NO. 63 UNCLASSIFIED

REQUIREMENTS STUDY

DATE: FEBRUARY 1997

P-1 ITEM NOMENCLATURE: MAINT PLATFORM, HIGH REACH NSN: 1730-01-249-0097

APPROPRIATION / BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

DISPOSALS (Planned & Projected thru FY98 F
FY97 since as of date:
FY98:
FY99;
FY00:
FY01:
TOTAL DISPOSALS (34 months)

PROCUREMENT LEADTIME: 12 months

NET ASSETS:

ACTUAL TRAINING EXPENDITURE - NA	YN-
FY97	
FY96	
FY95	
FY94	
FY93	

ACTUAL OTHER THAN TRAINING EXPENDITURE
FY97
FY96
FY95
FY94
FY93
REMARKS:

52	59 59 52 52 7	
INVENTORY OBJECTIVE Number of Combat Loads Assets Required for Combat Loads Combat Expenditures War Reserve Requirement Annual Training Annual Testing Maintenance Pipeline Air Force Requirement Air Force Requirement Air Force Reserve Requirement	TOTAL REQUIREMENT APPROVED ACQUISITION OBJECTIVE PROCUREMENT REQUIREMENT Total FY98 Requirement Less Net Assets Required FY98 Procurement Planned FY98 Procurement	
31 53 0 0		

SHOPPING LIST	ITEM NO. 63	CLASSIFIED
7		\leq

PAGE NO. 1 OF 1

Exhibit P-20 Requirements Study $\angle 53$

		BUDG	BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	FICATION 0)			DATE FEBRUARY 1997	1997
APPROPRIA	APPROPRIATION/BUDGET ACTIVITY AIDCDAET DESCRIBEMENT COMMON SLIDBORT EQUI	COMMON SIDDO	DT EQUIDMENT	P-1 ITEM NOMER	P-1 ITEM NOMENCLATURE Items Less Than \$2,000,000	Less Than \$2,000	0,000	
- WILDER	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03
QUANTITY								
COST (In Mil)	\$48.986	\$72.693	\$30.289	\$48.505	\$39.500	\$40.700	\$41.900	\$43.200

A. DESCRIPTION/FUNCTION: Items less than \$2,000,000 procure replacement organizational and intermediate (common and peculiar) support equipment for out-of-production aircraft. These items, common (used on more than one weapon system) and peculiar (unique to one weapon system), are used in direct support of aircraft maintenance and servicing requirements. These replacement requirements ensure continuation of serviceable, supportable equipment over the life of a weapon system.

B. TYPE ITEM: All items are Code A.

A listing of items less than \$2,000,000 follows.

UNCLASSIFIED P-1 SHOPP LIST ITEM NO. 63

PAGE NO.

Transport	Figure 1 Figure 1	1.916 1.916 1.126 1.968 1.969 1.798 1.798 1.81 1.81 1.87 1.677 1.67 1.67 1.67 1.67 1.67 1.67 1.	A P P P P P P P P P P P P P P P P P P P	1,968 1,968 1,160 1,160 1,096 1,096 1,096 1,091 1,091 1,228 1,238 1,318 1,318 1,318 1,318 1,318 1,318 1,318 1,318
Tool Tool		AMOUNT		AMOUNT
Tool Tool	ATY 11 24 35 36 36 36 37 37 37 37 37 37 37		APY 11 26 6 122 122 122 27 29 29 29 29 20 4 4 4 20 20 20 20 20 20 2	
Tool Tool	26 37 36 36 15 15 60 60 75 75 75 76 76 76 76 76 76 76 76 76 76 76 76 76	1.916 1.126 1.968 1.969 1.766 1.798 1.981 1.981 1.697 1.697 1.679 1.679 1.679 1.679 1.679 1.679 1.679 1.781	26 6 6 75 75 75 11 122 122 20 20 20 20 20 20 20 20 20 20 20 20 2	1,09 1,09 1,09 1,09 1,01 1,01 1,01 1,01
Tool Tool	26 37 36 15 16 30 60 60 6 6 6 6 6 6 1 1 1 1 1 1 1 1 1 1	1.126 1.968 1.969 1.00 1.700 1.981 1.981 1.981 1.697 1.679 1.679 1.679 1.679 1.679 1.679 1.679 1.679 1.679 1.679 1.670 1	26 6 75 75 11 11 12 20 20 20 61 61 61 61 61 61 61 61 61 61 61 61 61	91.1 (32.) 1.09 (40.) (40.) (40.) (5
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Tool Tool	36 36 36 37 57 75 76 76 76 76 76 76 76 76 76 76 76 76 76	969. 377. 1003. 1003. 1004. 1009. 10	75 2 2 11 11 12 20 20 20 61 61 61 61 61 61 61 61 61 61 61 61 61	1.09 1.09 1.09 1.01 1.01 1.03 1.03 1.03 1.03 1.03 1.03
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Tool ment	21 36 60 75 75 37 37 1 2 2 2 2 2 2 2 2 2 2 2 3 3 3 3 3 3 1 1 1 1	1.798 1.760 1.697 1.697 1.697 	75 2 2 11 11 11 20 20 20 61 61 61 61 20 20 20 20 20 20 20 20 20 20 20 20 20	88.1 1.09 1.15 1.15 1.22 1.23 1.34 1.34 1.35 1.35 1.35 1.35 1.35 1.35 1.35 1.35
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Tool ment	60 76 37 37 2 2 2 2 2 2 2 2 2 3 3 3 1 1 1 1 1 1 1 1	750 1,697 1,697 .784 .679 .679 .787 .787 .787 .787 .787 .787 .787 .7	22 122 112 29 29 29 29 61 61 61 20 61 26 55 55 55 58	1,00 100 100 100 100 100 100 100 100 100
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Tool Tool	37 2 2 2 2 2 2 2 2 2 2 33 33 56 6 6	784 .784 .679 .787. .787. .750 .750 .750 .1456 .1,825 .1,825 .1,825	2 122 122 23 24 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
Tool Tool	37 2 2 2 2 2 2 2 2 2 2 3 3 3 3 5 6 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	784. 787. 787. 787. 71. 71. 720. 72	122 11 12 22 29 20 61 61 61 4 4 4 4 25 55 55 58	1,00 1,00 1,00 1,00 1,00 1,00 1,00 1,00
Tool ment	2 2 2 2 3 3 3 3 3 5 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	787. 787. 787. 747. 747. 745. 745. 1.750. 1.750. 1.701.	112 22 29 20 20 20 20 20 20 20 20 20 20 20 20 20	86. 122. 122. 123. 124. 126. 127. 128. 128. 129. 129. 129. 129. 129. 129. 129. 129
Tool ment	2 2 2 2 33 33 33 33 33 33 33 33 33 33 33	784 .679 .879 .679 .147 .750 .750 .1,456 .1,456 .1,456 .1,925 .1,925	22 29 29 14 14 20 20 20 25 33 55 58	28.1 22.2 22.2 23.1 23.1 26.1 26.1 26.1 26.1 26.1 26.1 26.1 26
Tool	2 2 2 2 3 3 3 3 3 5 5 5 5 5 5 5 5 5 5 5	.787 .787 .787 .147 .750 .750 .1,456 .1,925	22 29 14 20 20 20 55 55 55 58	19.1 19.2 19.2 19.2 19.3 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4
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nspect Tool liftes analysis b Equipment shop SE ent	3 -	10.2	8 5	
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oint inspect tool Facilities Oil Analysis Invice Equipment Ice Shop SE			20	1,000
Point inspect Tool or Facilities a. Oil Analysis Service Equipment ance Shop SE quipment			32	0.688
ridi Point inspect Tool pport Facilities table, Oil Analysis nd Service Equipment tequipment			55	0.49
rkal Point inspect Tool poot Facilities table, Oil Analysis nd Service Equipment tequipment			61	0.312
rial Point Inspect Tool poot Facilities table, Oil Analysis nd Service Equipment fenance Shop SE st Equipment			35	0.433
			9	1,535
ment			4	1.632
ment		1,000		1,000
ment	35	1,567	42	1.922
t Maintenance Shop SE Inic Test Equipment ank		0,504		1.895
nic Test Equipment ank d		1.083		2.826
ank d		0.775		1.254
D			7	0.451
			3	0.397
The second secon			2	0.419
Temperature Control 4920-01-292-2173			15	0.316
Test Set Indicator 4920-01-327-1312			89	0.461
			20	0.503
raff			17	0.347
HIDBISCODB			40	0,452
		0.611		1.947
IOIAL		30.289		48,505

FY 98/99 PRESIDENT'S BUDGET BP12 COMMON SUPPORT EQUIPMENT FEBRUARY 1997 EXHIBIT P1-R (Dollars in Millions)

	FY96	FY97	FY98	FY99
AIR NATIONAL GUARD (ANG)	\$25.175	\$30.755	\$24.445	\$11.121
AIR FORCE RESERVE (AFR)	\$3.422	\$4.500	\$4.402	\$3.482
TOTAL:	\$28.597	\$35.255	\$28.847	\$14.603

TIFICATION SHEET	P-1 ITEM NOMENCLATURE	SUPPORT A-10
A JUS	APPROPRIATION/BUDGET ACTIVITY	AIRCRAFT PROCUREMENT/BA07, POST PRODUCTION SUPPORT

	Prior	FY 1996	FY 1997	FY 1998	V 1998 FV1999	EV 2000	EV 2001	FV 2000 FV 2001 FV 2002	EV. 2002	
OUANTITY						0000	T. T 7001	F. I. 2002	E I 2003	Lotal
COSI (IN millions)				2.8	8	9.1				7 60

MISSION AND DESCRIPTION:

training at squadron locations to ensure safety of flight and to maximize pilot proficiency and utilization of their A-10 weapon system. The A-10 This activity funds required Unit Training Devices (UTDs) which will enable the Combat Air Forces to provide A-10 fighter pilots continuation UTD Visual System consists of the latest technology, commercial off-the-shelf image generation system and display. This system will allow A-10 pilots to train visual landing approaches, target acquisition, AGM-65 launch, night vision goggles (NVG) utilization, and threat avoidance.

FY98 PROGRAM JUSTIFICATION:

Funding supports the procurement of 1 UTD with Visual Systems package.

FY99 PROGRAM JUSTIFICATION:

Funding supports the procurement of 6 UTD with Visual Systems packages.

UNCLASSIFIED

EXHIBIT P-40

1 58

EXHIBIT P-5	A. Appn/Buc	/Budget	B. Popular Name	ame	C. Manufacturer	urer	D. Date	
(Dollars in Millions)	Aircraft Pro	Proc/BA07	2		Symvionics		Feb-97	
	Spt Equip & Fac	1			Pasadena,	CA		
		ΩT√		QTY	_	QTY	7	QTY
	FY36	0	FY97	0	FY98		0 FY99	
	Chit	Total	Z	Total	Unit	Total	al Unit	Total
	Cost	Cost	Cost	Cost	Cost	Cost		
AIRFRAME/CFE ENGINE/ACCESSORIES AVIONICS: CFE/GFE ARMAMENT OTHER GFE								
ECO								
NON-RECURRING COSTS OTHER COSTS PROGRAM MGT ADMIN REOMTS								
Subtotal FLYAWAY COSTS				0.0		0.0	I _C	0.0
AIRFRAME PGSE ENGINE PGSE AVIONICS PGSE AVIONICS PGSE PECULIAR TRAINING EQUIPMENT PUBLICATIONS/TECH. DATA OTHER (ICS) OTHER (HAZMAT) OTHER (SUPPORT CONTRACTS) OTHER (PLANT SHUTDOWN)							m	+
Subtotal SUPPORT COST		0.0		0.0	1	2.8	Ι "	11.8
GROSS P-1 COST		0.0		0.0		2.8	-	11.8
20 LESS: Prior Yr Adv. Proc	<u></u>			0.0		0.0		0.0
21 NET P-1 COST		0.0		0.0		2.8		11.8

SIMULATOR	AND TRAIN	SIMULATOR AND TRAINING DEVICE JUSTIFICATION (\$ M)	JUSTIFICAT	10N (\$ M)		Date:	Feb-97		
APPROPRIATION/P-1 Line Item: 3010		Weapon System: A-10	tem:	Equipment Nomenclature: Unit Training Device (UTD)	Vomenclatur Device (UTI	: C	PE 27131F		
Fin Plan	FY96	FY 97	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	Total
Quantity			*	စ	Ω.				12
Proc			2.8	11.8	9.1				23.7
RDT&E									
0&8									

TRAINING SYSTEM DESCRIPTION:

training at squadron locations to ensure safety of flight and to maximize pilot proficiency and utilization of their A-10 weapon system. The A-10 UTD Visual System consists of the latest technology, commercial off-the-shelf image generation system and display. This system will allow A-10 pilots to train visual landing approaches, target acquisition, AGM-65 launch, night vision goggles (NVG) utilization, and threat avoidance. This activity funds required Unit Training Devices (UTDs) which will enable the Combat Air Forces to provide A-10 fighter pilots continuation



BUDGET ITEM JUSTIFICATION SHEET	Date: Feb 97
APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
AIRCRAFT PROCUREMENT/BA07, POST PRODUCTION SUPPORT	B-2A BOMBER

	TO 10 C/D	TV 1007	EV/1000	UV1000	OUUC AA	EV 2001	CUUC AL	EUUC ALL
	F X 90/FFIOF	LI 133/	F 11330	LIIJAA	1,1 4000	T 1 7001	T 1 2002	C007 1.1
QUANTITY	0	0	0	0	0	0	0	0
COST (IN millions)	0	0	0	235.5	123.5	31.0	17.7	0.8

MISSION AND DESCRIPTION:

worldwide conventional and nuclear delivery missions consistent with Air Combat Command requirements. Survivability will be enhanced by capability and a penetration speed commensurate with high probability of survival without unduly penalizing mission range. The management The B-2 is an all-wing, two-crew aircraft with provisions for a third crew member and has twin weapons bays of over 20,000 pounds capacity reduction of observable signatures and complementary defense management system. The B-2 will also have a low altitude terrain following each. It is powered by four F118-GE-100 turbofan engines. The low wing loading provides efficient cruise and good airfield performance. The B-2 bomber exploits breakthroughs in low observables technology (radar, infrared, visual, electromagnetic, and acoustic) to achieve vehicle signatures that will allow penetration of current and postulated enemy air defenses. The B-2 will have the capability to perform and acquisition strategy provides the user a capability for the lowest possible cost.

FY 98/99 PROGRAM JUSTIFICATION:

The FY 1999 program contains costs associated with software investment, technical orders, Interim Contractor Support (ICS), aircrew training device, maintenance training device, peculiar support equipment, Program Management Administrative Requirements (PMAR), and nonrecurring effort (including curtailment). In FY 99 funds have been transferred to a new B-2 Post Production Support (PPS) line.

EXHIBIT P-5	Activity Title/No.	udget Ie/No.	b. Popular Name	. Name	C. Manufacturer	turer	D. Date	Feb-97
(Dollars in Millions)	Aircraft Pr	Aircraft Procurement	B-2 Advanced Tech	ced Tech	Northrop/Grumman	rumman		
	Post Prod	Post Prod Support/BA 7	Bomber		Pico/Rivera, CA			
		QTY	-	QTY		QTY		QTY
	FY96		FY97	0	FY98	0	FY99	
	Unit		Chrit	Total	Unit	Total	Unit	iit Total
	Cost	Cost	Cost	Cost	Cost	Cost	Cost	st Cost
AIRFRAME/CFE		0.0		0.0		0.0		0
AV 1 UPGRADE		0.0		0.0		0.0		0.0
ENGINE/ACCESSORIES		0.0		0.0		0.0		0.0
Eng Model: F-118-GE-100		0.0		0.0		0.0		0.0
AVIONICS		0.0		0.0		0.0		o o
WEAPON DELIVERY SYSTEM		0.0		0.0		0.0		O
		0.0		0.0		0.0		0.0
ECU (All Flyaway Components)		0.0		0.0		0.0		3.3
NON-RECURRING COSTS		0.0		0.0		0.0		21.0
OTHER COSTS	•	0.0		0.0		0.0		
Subtotal FLYAWAY COSTS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.3
AIRFRAME PGSE (Deferred Logistics)		0.0		0.0		0.0		
ENGINE PGSE	 	0.0		0.0		0.0		0
AVIONICS PGSE		0.0		0.0		0.0		0.0
PECULIAR TRAINING EQUIPMENT	-v-	0.0		0.0		0.0		ю
PUBLICATIONS/TECH. DATA		0.0		0.0		0.0		.5
OTHER (ICS)		0.0		0.0		0.0		45.6
Drogram Management Admin Dogust (DMAD)		0.0		0.0		0.0		127.4
OTHER		0.0		0.0		0.0		11.2
Subtotal Supposer		0.0		0.0		0.0		17.1
		0.0		0.0		0.0		211.2
GROSS P-1 COST		0.0		0.0		0.0		235.5
20 LESS: Prior Yr Adv. Proc		0.0		0.0		0.0		0.0
21 NET P-1 COST		0.0		0.0		0.0		235.5

N SHEET Date: Feb 97	P-1 ITEM NOMENCLATURE	PPORT C-5
BUDGET ITEM JUSTIFICATION SHEET	APPROPRIATION/BUDGET ACTIVITY	AIRCRAFT PROCUREMENT/BA07, POST PRODUCTION SUPPORT

						The second secon				
	Prior	FY 1996	FY 1997 FY	FY 1998	FY1999	FY 2000	FY 2001	FY 2002	FY 2003	Total
QUANTITY										
COST (IN millions)					29.6					29.6

MISSION AND DESCRIPTION:

flights by replacing existing subsystems on the training devices to allow FAA Level C equivalent training. The C-5 will replace the current These funds buy one C-5 simulator for the Air National Guard. It is part of the AMC replacement program that will reduce aircraft training visual system with a current state-of-the-art, commercial off the shelf system.

FY99 PROGRAM JUSTIFICATION:

Funding supports the procurement of 1 C-5 simulator for the Air National Guard.

Date: Feb 97	P-1 ITEM NOMENCLATURE	F-15F TACTICAL EIGHTED
BUDGET ITEM JUSTIFICATION SHEET	APPROPRIATION/BUDGET ACTIVITY	AIRCRAFT PROCUREMENT/BA07, POST PRODUCTION SUPPORT

	Prior	FY 1996	FY 1997	FY 1998	FV1999	FV 2000	EV 2001	EV 2002	EXT 2002	
OITANITITES.					7775	T & 4000	L' A LUUI	F I 2002	E I 2003	Lotal
COMMITTE		0	0	<u> </u>	_	<	0	-	•	
יווייייייייייייייייייייייייייייייייייי				,		>		0	5	
COST (IN millions)		7.0	7.5	~	~	68	00	7 0		1000
				1:0	7:5	4.0	7.0	7 4	×	- 07.9

MISSION AND DESCRIPTION:

surface attack mission. Configured with conformal fuel tanks (CFTs), the F-15E can deploy worldwide with minimal tanker support and arrive to meet the urgent requirement for all weather deep penetration and night/under-the-weather air-to-surface attack. It is a two seat aircraft following/terrain avoidance radar; and other improvements necessary to fulfill the deep penetration and night-under-the-weather air-to-air configured with missionized cockpits, low altitude navigation, targeting, and infrared for night (Lantirn) capability; automatic terrain The F-15E (Dual Role Fighter) retains the basic air-to-air capability of the F-15 A-D tactical fighter and adds the systems necessary combat ready.

FY98/99 PROGRAM JUSTIFICATION:

This activity funds required for Interim Contractor Support (ICS). ICS is required to provide repair support for critical air vehicle and ground support equipment assets from the time the equipment is fielded until the assets are organically supportable. Grounding of aircraft will result without this repair support. The funds requested in FY98/99 are to support F-15 aircraft already in the inventory.

NOTE: Prior to FY96 this effort was funded out of the F-15 Weapon System line (BA01 / BP10).

UNCLASSIFIED

EXHIBIT P-40

AIRCRAFT COST ANALYSIS	A. Appn/Budget		B. Popular Name	ame	C. Manufacturer	rer	D. Date	
EXHIBIT P-5			F-15E Eagle					
(Dollars in Millions)	Aircraft Proc/BA Spt Equip & Fac	20			McDonnell Douglas	uglas	Feb-97	
-	FY96	QTY 0	FY97	QTY 0	FY98	QTY 0	\ FY99	QTY 0
	Unit		Unit	Total		Total Cost	Cost	Total
AIRFRAME/CFE ENGINE/ACCESSORIES AVIONICS: CFE/GFE ARMAMENT				0.7		0.5		
ECO NON-RECURRING COSTS OTHER COSTS PROGRAM MGT ADMIN REQMTS								
AIRFRAME PGSE				0.7		0.5		0.0
ENGINE PGSE AVIONICS PGSE PECLI IAR TRAINING FOLIIPMENT								
PUBLICATIONS/TECH. DATA OTHER (ICS)		7.0		0.4		0.0		c
OTHER (HAZMAT)				0.0		3.5	•	3.3
OTHER (PLANT SHUTDOWN)	· · · · · ·			2.8		0.0		1.8
Subtotal SUPPORT COST		7.0		6.8		7.6		8.1
GROSS P-1 COST		7.0		7.5		8.1		8.1
20 LESS: Prior Yr Adv. Proc			I	0.0	1	0.0		0.0
21 NET P-1 COST		7.0		7.5		8.1		8.1

BUDGET ITEM JUSTIFICATION SHEET APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
AIRCRAFT PROCUREMENT/BA07, POST PRODUCTION SUPPORT	F-16 TACTICAL FIGHTER

	Prior	FY 1996	FY 1997	1997 FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	Total
QUANTITY		0	0	0	0	0	0		0	
COST (IN millions)		122.3	9.99	22.4	28.3	16.4	13.7	13.2	13.3	296.2

MISSION AND DESCRIPTION:

speed range, incorporated advanced technology features to enhance its combat capability while minimizing its acquisition, operating, and support surface and air-to-air missiles, and approximately 11,000 pounds of conventional and guided air-to-surface ordinance. The F-16 will replace the The F-16 Multi-mission Fighter is a single seat, fixed wing, high performance, single engine fighter aircraft. The design, optimized for 0.8 Mach costs. The advanced technology features include a high visibility, high "g" cockpit. The F-16 armament consists of 20MM cannon, air-to-F-4s in the active inventory as well as modernize the reserve forces.

FY98/99 PROGRAM JUSTIFICATION:

procurement of deferred peculiar support equipment, unit training devices, and technical data support. The funds requested in FY98/99 are to support F-16 aircraft procured in FY94 and prior. Post production support requirements for aircraft procured in FY96-97 will be addressed This activity funds the continuation of prime contract support requirements, program management administrative requirements, and the during the next budget cycle.

NOTE: Prior to FY96 this effort was funded out of the F-16 Weapon System line (BA01 / BP10).

EATIBIL F-3	Activity T	Activity Title/No.	F-16 Fighting Falcon	Falcon			D. Date	
(Dollars in Millions)	Aircraft P	Proc 7 Post Prod			Lockheed, Ft Worth Co	t Worth Co	Feb-97	
		YTO		VTO	L' ANOICH, 1A			
	FY96	3	EV97	5		ATY ATY	-	ΔTΔ
	2) 		0	FY98		FY99	_
	בורים ביים	otal		Total	Cuit	Total	ži Š	Total
	Cost	Cost	Cost	Cost				Cost
NOTIFIED TO THE	0.0	0.0	0.0	0.0	0.0			800
ENGINE/ACCESSORIES	0.0		0.0		0.0		0.0	9.0
Eng Model:	0.0	0.0	0.0		0.0		0.0	
ADMANIENT	0.0		0.0		0.0		0.0	
OTHER REE	0.0		0.0		0.0		0.0	
ECO (All Elvanion Company)	0.0		0.0		0.0		0.0	
NON-PECTIPOING COSTS	0.0		0.0		0.0		0.0	
OTHER COSTS	0.0	18.9	0.0	2.9	0.0		0.0	
PROGRAM MCT ADMINI DECIME	0.0	32.9	0.0	34.5	0.0		0.0	
COCCUMENTAL ADMINISTRACTION OF THE COLOR OF		10.1		7.4				
Subtotal FLYAWAY COSTS	0.0	61.9	0.0	44.8	0.0	0.0	0.0	00
AIRFRAME PGSE		19.7		1				
ENGINE PGSE		4.9		ò				6.2
AVIONICS PGSE		5.8		er.		76		,
PECULIAR TRAINING EQUIPMENT		6.4		, r		t c		4.2
PUBLICATIONS/TECH. DATA		44		9 0		4. r		5.9
ECO (ALL SUPPORT ITEMS)				0.0		5.3		5.3
OTHER (ICS)		20.7		C				1
Program Management Administration (PMA)		0		0.0		4. 0		6.7
Subtotal SUPPORT COST		2.03		0.0		0.0		0.0
		4.00		21.8		22.4		28.3
GROSS P-1 COST		122.3		9.99		22.4		28.3
20 LESS: Prior Yr Adv. Proc		0.0		0.0		c	7.5	
21 NET P-1 COST						2		9
		122.3		9.99	-	22.4	· · · · · ·	28.3

SIMULATO	SIMULATOR AND TRAINING DEVICE JUSTIFICATION (\$ M)	ING DEVICE	JUSTIFICA	FION (\$ M)					
APPROPRIATION/P-1 Line Item: 3010		Weapon System: F-16	tem:	Equipment Nomenclature: Unit Training Device (UTD)	Nomenclatur 3 Device (UT	e: D)	PE 27133F		
Fin Plan	FY95/Prior	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	5	Total
Quantity	99								56
Proc	40.9	4.9	5.0	4.3	5.9	0.0	1.0	2.1	65.0
RDT&E	0.0	0.5	3.4	6.6	4.2	2.3	2.5	0.0	19.5
0&8									

TRAINING SYSTEM DESCRIPTION:

The Unit Training Device (UTD) is a low-cost, unit level trainer, designed for initial and continuation training in the areas of emergency procedures, LANTIRN, flight instrument training, air-to-air and air-to-ground weapon systems delivery. The UTD will be delivered to various USAF bases for their use at the unit level.

NOTE: FY95/Prior Year are funded in BP10, BA01. FY96 and subsequent years are funded in BP13, BA07.

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EXHIBIT P-43 Page 1 of 2



SIMULATOR AND TRAINING DEVICE JUSTIFICATION (\$ M)

Training Device by Type:

MAINTENANCE TRAINERS

Feb 97 Date:

Weapon System: F-16 UTD

LANTIRN, flight instrument training, air-to-air and air-to-ground weapon systems delivery. The UTD will be delivered to various USAF bases for their use The Unit Training Device (UTD) is a low-cost, unit level trainer, designed for initial and continuation training in the areas of emergency procedures, at the unit level. This contract expires 30 Sep 98. Description/Justification:

40.86 40.86 23.96 23.96 64.82 COST Cost to Complet | Total Costs 26 56 QTY 3.90 3.90 3.90 0 COST QTY 0 5.88 5.88 5.88 COST FY 99 QTY NOTE: FY95 and prior were funded in BP10, BA01. FY96 and subsequent years are funded in BP13, BA07 0 4.34 4.34 4.34 COST FY 98 QTY COST 0 4.97 4.97 4.97 FY 97 ΔT. 40.86 40.86 45.73 COST 4.87 4.87 **Prior Years** 56 26 QTY Integrated Logistics Support HARDWARE COSTS Total Hardware Costs Total Support Costs FINANCIAL PLAN SUPPORT COSTS Device (Hardware) Nonrecurring **Total Costs** Special SE ECO's Other GFE

BUDGET ITEM JUSTIFICATION SHEET	Date: Feb 97
APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
AIRCRAFT PROCUREMENT/BA07, AIRCRAFT SUPPORT EQUIPMENT AND	INDUSTRIAL PREPAREDNESS
FACILITIES	

	9661 A.J	FY 1997	FY 1998	FY1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY								
COST (IN millions)	38.392	33.113	25.855	27.833	30.577	32.635	33.307	33.442

Mission and Description:

- 1. Air Force industrial activities combine the resources of several appropriations to create a comprehensive program. The goal is to ensure that the defense industry is capable of supplying reliable, affordable systems to operational commanders. Major elements in the program include management of government-owned industrial plants, the Defense Production Act Program, and support for industrial base (IB) activities. IB activities characterize the critical sectors and industries within the industrial base and provide information on industrial capability issues for consideration during key budget allocation, weapon acquisition, and logistic support decision processes. Funds in this appropriation are to support the aircraft procurement segment of Air Force activities.
- 2. Although the elements of cost are broken down in greater detail, two basic activities are funded in this appropriation: Industrial Plants and Industrial Base Activities.
- compliance, equipment movement and energy conservation at DoD-owned, contractor-operated industrial facilities. These plants are the A.B.C.D.F. and H. Air Force Industrial Plants cost elements. Consists of repair and expansion, major rehabilitation, environmental backbone of DoD weapon system assembly and maintenance for the B-2, F-15, F-16, C-130, C-5B, F-117 and future F-22.
- E. Industrial Base Activities cost element. Provides for identification, analysis, and limited pilots and/or pathfinders for problems, constraints, essential and endangered capabilities in the industrial base sectors (aircraft). Collection and maintenance of industrial (aircraft) data supports affordable acquisition and sustainability requirements.

27.833

25.855

33.113

38.392

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H. ENERGY CONSERVATION TOTALS

EXHIBIT P-5

d	ROGRAM CO	PROGRAM COST BREAKDOWN				Date: FEB 97	7	
APPROPRIATION/BUDGET ACTIVITY	CTIVITY			P-1 ITE	M NOME	P-1 ITEM NOMENCLATURE	떠	
AIRCRAFT PROCUREMENT/BA07, AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES	.07, AIRCRAFT	SUPPORT EQUIPM	ENT AND		INDUST	INDUSTRIAL PREPAREDNESS	AREDNE	SS
				(Total C	ost in Mi	(Total Cost in Millions of Dollars)	ars)	
ELEMENT OF COST	IDENT	FY 1996	FY	FY 1997	F	FY 1998		FY 1999
		TOTAL	QTY	TOTAL	QTY	TOTAL COST	QTY	TOTAL
A. EXPANSIONS	1000							
B. PACKING, CRATING, & HANDLING	2000							
C. CAPITAL TYPE REHABILITATION	3000	8.672		5.917		5.405		5.675
D. REPLACEMENT & MODERNIZATION	4000	5.315		3.612		0		0
E. INDUSTRIAL BASE ASSESSMENT	0009	4.601		4.401		3.765		4.098
F. ENVIRONMENTAL PROTECTION	7000	19.804		19.183		16.685		18.060
G. INDUSTRIAL MODERNIZATION	8000							

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FY 98 PRESIDENT'S BUDGET BP 17 WAR CONSUMABLES FEBRUARY 1997

FY 98 PRESIDENT'S BUDGET BP 17 WAR CONSUMABLES FEBRUARY 1997

		BUDGI	BUDGET ITEM JUSTIFI (EXHIBIT P-40)	JUSTIFICATION IT P-40)			DATE FEBRUARY 1997	RY 1997
APPROPRIA	APPROPRIATION/BUDGET ACTIVITY APPROPRIATION/BUDGET ACTIVITY	BUDGET ACTIVITY APAF/WAR CONSUMABLES			BUDGET PF	BUDGET PROGRAM 1700 OVERVIEW	ERVIEW	
	FY1996	FY1997	FY1998	FY1999	FY2000	FY2001	FY2002	FY2003
QUANTITY								
COST (In Mil)	\$24.615	\$56.243	\$67.565	\$59.699	\$65.927	\$84.288	\$92.472	\$132.118

- DESRIPTION/FUNCTION: This program provides initial/replacement War Consumables, and includes commodities such as aircraft Tanks, Racks, Adapters, Pylons (TRAP), Missile Rail launchers and RF (expendable) Towed Decoys. These items (applicable to more than one weapon system) are used to support War Reserve Materiel (WRM) requirements or fleet inventory objectives. Ä
- PURPOSE OF PROCUREMENT: Items are being procured to fill deficits in WRM levels or fleet inventory objectives. œ.
- C. APPLICATION: Air Force maintained aircraft weapons systems.
- REQUIREMENTS: Items required include launchers, adapters, and RF Towed Decoys. ā
- E. SUMMARY of FY98-99 PROCUREMENTS:

	FY99 cost	\$ 8.474	\$20.916	\$ 2.002	\$28.307	\$59.699
Millions)	QIX	94	909	185	1094	
(\$ in !	FY98 cost QTY	\$ 8.206	\$20.279	\$ 1.944	\$37,136	\$67,565
	DIX	94	605	185	1403	
	ITEM) LAU-118(v)4/A ALIC Launcher	LAU-117A(v)3 Missile Launcher	3) Adapter, ADÚ-552/A	t) RF Towed Decoys	TOTAL
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PAGE NO.

P-1 SHOPP LIST ITEM NO.70

		BUDG	BUDGET ITEM JUSTIFICATION	FICATION			DATE: FEBRUARY 1997	RY 1997
			(EXHIBIT P-40)	6				
APPROPRIA	PPROPRIATION/BUDGET ACTIVITY	TIVITY		P-1 ITEM NOMENCLATURE	ICLATURE			
	APAF/WAR (APAF/WAR CONSUMABLES		LAU-118	(v)4/A w/ACFT LA	UNCHER INTERF	LAU-118(v)4/A w/ACFT LAUNCHER INTERFACE COMPUTER (ALIC)	(ALIC)
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY	0	0	94	94	0	0	0	0
COST (In Mil)	\$0.0	\$0.0	\$8.206	\$8.474	\$0.0	\$0.0	\$0.0	\$0.0

HARM Launcher and provides an interface to the AGM-88 (HARM) anti-radiation missile. This interface is provided through the F-16 C/D AGM-65 (Maverick) A. DESCRIPTION/FUNCTION: The LAU-118(v)4/A ALIC Launcher is applicable to the F-16 aircraft. It is attached to the aft section of the LAU-118(v)4/A missile system and supplies missile targeting/tracking data and launch signals to on-board AGM-88 HARM missiles for defense suppression capability.

B. PURPOSE OF PROCUREMENT: The Launchers are intended to replace those that are jettisoned in wartime. Normal peacetime stocks are insufficient to sustain projected wartime sortie rates. Funding in FY98/99 procures WRM deficits for this item.

C. IMPACTS: Lack of available launchers prevents sustainment of projected wartime sorties and impedes the wartime missions.

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PAGE NO.

P-1 SHOP LIST ITEM NO. 70

BUDGE	BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)	NT HISTORY PLAI	f PLANNING	ЕХНІВІТ	(P-5A)			A. DATE FEBR	DATE FEBRUARY 1997	997
B. APPROPRIATION/BUDGET ACTIVITY APPROPRIATION/BUDGET ACTIVITY	VAR CONSUM	ABLES		C. P-1 ITE	M NOMEN	CLATURE:	C. P-1 ITEM NOMENCLATURE: LAU-118(v)4/A ALIC LAUNCHER	A ALIC I	AUNCH	EB
Cost Element/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	COST	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
										-
FY 1998	TBD	C/FFP	AFMC/ASC	3AN 98	OCT 98	94	\$87,302.00	YES	2	
FY 1999	TBD	C/FFP	AFMC/ASC	JAN 99	OCT 99	94	\$90,147.30	YES	8	

P-1 SHOPP LIST PAGE NO.	PAGE NO.	Exhibit P-5a Procurement History and Planning

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FY86 49 BUDGET PRODUCTION SCHEDULE	RODUCTION	SCHEDUL	ш	_	P-1 II EM NOMENCLATUHE: LAU-118(V) A ALIC LAUNCHEH	2	5)		i	2	(4)	1	1							5			DAIE: FEBRUARI 1887									
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MANUFACTURER'S NAME AND	PROC	PROD RATES		Š					d	3000	REME	NT	EAD 1	IME					HEM/	ARKS				PROCUREMENT LEAD TIME REMARKS:					6				
	N. S.	WAX	-	±0₩5					ADM	N LE	ADMIN LEAD TIME	1	MANU	FACTU	PING	MANUFACTURING TOTAL AFTER	LAFT	EB															
TEXAS INSTRUMENTS									PR 1 OCT		AFT 1 OCT					3																	
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P-1 SHOPPING LIST ITEM NO. 70 UNCLASSIFIED

Page 2 of 2 Pages Exhibit P.21 Production Schedule

		BUDG	BUDGET ITEM JUSTIFICATION	FICATION			DATE	
			(EXHIBIT P-40)	(0			FEBRUARY 1997	۲۲ 1997
APPROPRIAT	APPROPRIATION/BUDGET ACTIVITY	TIVITY		P-1 ITEM NOMENCLATURE	ICLATURE			
	APAFWAR	APAF/WAR CONSUMABLES			LAU-117A()	LAU-117A(v)3 MISSILE LAUNCHER	CHER	
	FY1996	FY1997	FY1998	FY1999	FY2000	FY2001	FY2002	FY2003
QUANTITY	0	0	605	909	0	0	0	0
COST (In Mil)	\$0.00	\$0.00	\$20.279	\$20.916	\$0.00	\$0.00	\$0.00	\$0.00

- A. DESCRIPTION/FUNCTION: The LAU-117A(v)3 Missile Launcher is a single-rail launcher for the AGM-65 (Maverick) missile used on fighter aircraft (A-10, F-15, and F-16).
- PURPOSE OF PROCUREMENT: The Launchers are intended to replace older version Launchers that are jettisoned in wartime. Funding in FY98/99 procures WRM and fleet operational requirements. ю
- C. IMPACTS: Lack of available launchers prevents sustainment of projected wartime sorties and impedes the wartime missions.

PAGE NO.		
-1 SHOPP LIST	TEM NO.70	

NCLATURE: LAU-117A(v)3 MISSILE LAUNC QUANTITY COST AVAIL REV COST
DELIVERI

The state of the s										4000	
FY 1998	UNKNOWN	C/FFP	AFMC/00-ALC	APR 98	JAN 99	605	\$33,513.90	YES	Q.		
FY 1999	UNKNOWN	C/FFP	AFMC/00-ALC	APR 99	JAN 00	909	\$34,517.20 YES	YES	ON N		

	Exhibit P-5a Procurement History and Planning
	PAGE NO.
	P-1 SHOPP LIST ITEM NO. 70
D. REMARKS	

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P-1 SHOPPING LIST ITEM NO. 70 UNCLASSIFIED

FY06-00 BUDGET PRODUCTION SCHEDULE	RODUCTION	SCHEE	4	Ĭ			ĺ													_												
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P-1 SHOPPING LIST ITEM NO. 70 UNCLASSIFIED

		BODB	BUDGET ITEM JUSTIFICATION	FICATION			DATE FEBBITABY 1007	V 4007
			(EXHIBIT P-40)	0)			LEDUCA	1661 10
APPROPRIA	APPROPRIATION/BUDGET ACTIVITY	TIVITY		P-1 ITEM NOMENCLATURE	ICLATURE			
	APAF/WAR	APAF/WAR CONSUMABLES			ADAPTE	ADAPTER, ADU-552/A		
	FY1996	FY1997	FY1998	FY1999	FY2000	FY2001	FY2002	FY2003
QUANTITY	704	0	185	185	0	0	0	0
COST (In Mil)	\$7.182	\$0.00	\$1.944	\$2.002	\$0.00	\$0.00	\$0.00	\$0.00

A. DESRIPTION/FUNCTION: The Guided Missile Launcher Adapter, ADU-552/A, is used to adapt the LAU-128 missile launcher to the inboard pylon on F-15A-D Multi-Stage Improvement Program (MSIP) modified aircraft and F-15E aircraft.

- PURPOSE OF PROCUREMENT: The ADU-552/A adapters are intended to replace those jettisoned in wartime. Funding in FY98/99 procures WRM and fleet operational requirements. œ.
- C. IMPACTS: Lack of available WRM stocks prevent sustainment of projected wartime sortie rates for F-15's configured for LAU-128 missile launchers.

TEM NO. 70	
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BUDGE	BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)	AT HISTOR	Y PLANNING	EXHIBIT	T (P-5A)			A. DATE	ш	
	9)	(Cost in thousands of dollars)	of dollars)					FEBI	FEBRUARY 1997	1997
B. APPROPRIATION/BUDGET ACTIVITY	TIVITY			C. P-1 IT	EM NOMEN	CLATURE:	C. P-1 ITEM NOMENCLATURE: ADAPTER, ADU-552/A	ADU-552//	4	
A	APAF/WAR CONSUMABLES	NBLES				1				
Cost Element/	CONTRACTOR/	CONTRACT	CONTRACTED		DATE OF	QUANTITY	TINO	SPECS	SPEC	IF YES,
FISCAL YEAR	LOCATION	& TYPE	ВУ	DATE	FIRST		COST	AVAIL	REV RFO'D	WHEN

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FY 1998	Phoenix, AZ FPI - UNICOR Phoenix A7	OPTION	AFMC/WR-ALC	OCT 97	OCT 98	185	\$10,508.00	YES	Q.	
FY 1999	FPI - UNICOR Phoenix, AZ	OPTION	AFMC/WR-ALC	OCT 98	MAR 99	185	\$10,823.00	YES	ON ON	

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Exhibit P-5a Procurement History and Planning

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P-1 SHOPPING LIST ITEM NO. 70 UNCLASSIFIED

		BUDGI	BUDGET ITEM JUSTI	JUSTIFICATION			DATE: FEBRUARY 1997	RY 1997
			(EXHIBIT P-40)	(0)				
APPROPRIA	APPROPRIATION/BUDGET ACTIVITY			P-1 ITEM NOMER	VCLATURE	P-1 ITEM NOMENCLATURE		
	APAF/WAR (APAFWAR CONSUMABLES		ADVANCEL	O AIRBORNE EXP	ENDABLE DECO	((AAED); RF TOW	ed Decoy
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY	0	975	1403	1094	1325	1992	2600	4855
COST (In Mil)	\$0.0	\$27.247	\$37.136	\$28.307	\$33.836	\$51.428	\$63.682	\$103.215

threats. Major system components for the F-16 are the AAED (includes towline assembly & canister), magazine and a launcher/controller mounted in a modified 16-S-350 pylon. Major system components for the B-1B are the AAED (includes towline assembly & canister), magazine, launcher, launch controller AAED onto both F-16 and B-1B aircraft. It provides RF protection for the aircraft by acting as an RF repeater to decoy threat systems that engage it, resulting A. DESCRIPTION/FUNCTION: The AAED (Radio Frequency (RF) Towed Decoy) is part of the AN/ALE-50 RF Towed Decoy System which integrates the in increased miss distance. The AN/ALE-50 RF Towed Decoy System enhances each platform's countermeasures capability against modern RF missile and fairings.

- B. PURPOSE OF PROCUREMENT: FY97 FY99 includes requirements for fielding AAED's for F-16 and B-1B aircraft.
- C. IMPACTS: Lack of available decoys prevents sustainment of projected wartime sortie rates, impeding wartime missions.

PAGE NO.	
P-1 SHOP LIST	

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ana	BUDGET PROCUREMENT		HISTORY PLANNING EXHIBIT (P-5A) in thousands of dollars)	ЕХНІВІТ	(P-5A)			A. DATE FEBRI	DATE FEBRUARY 1997	1997
B. APPROPRIATION/BUDGET ACTIVITY APAF/M	CTIVITY APAFWAR CONSUMABLES	ABLES		C. P-1 ITE EXPEND	ABLE DECC	CLATURE: /	C. P-1 ITEM NOMENCLATURE: ADVANCED AIRBORNE EXPENDABLE DECOY (AAED); RF Towed Decoy	VIRBOR Soy	¥	
Cost Element/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
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FY 1998 FY 1999	Goleta, CA SAME SAME	OPTION - FPIF OPTION - FPIF	AFMC/ASC AFMC/ASC	Dec 97 Dec 98	Jan 99 Jan 00	1403	\$26,468.99	YES	9 9	

Exhibit P-5a Procurement History and Planning
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P-1 SHOPP LIST PAGE NO. ITEM NO. 70

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TOTAL		3472 2028		1444 117 117	117 1	17 118	8 82	85	16	91 91	16	91	91 91	16	91 91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				. 0	OCT NO	N DE	C JAN	FEBA	AH AP	H MA	JUN	JA AU	GSEP	OCT	OV DE	CJAN	FEB	ARAP	RIMAY	JUN J	A AUC	G SEP	OCT	FINOV DEC JAN FEB IMARIAPRIMAY JUN JUL. AUGISEP (OCT NOVIDEC JAN FEB IMARIAPRIMAY JUN JUL. AUGISEP (OCT NOVIDEC JAN		EB MAR	FEB MAR APR MAY	AAY JUN	N N		AUG SEP
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E. Systems, a Raytheon Co.									PR 1 OCT		AFT 1 OCT					ş l															
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REQUIREMENTS STUDY

DATE: FEBRUARY 1997

APPROPRIATION / BUDGET ACTIVITY APAF/WAR CONSUMABLES

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Due-in w/all Prior Years' Funds On Hand as of 31 Mar 96 Due-in w/FY97 Funds TOTAL ASSETS:

DISPOSALS (Planned & Projected thru FY98 FDP)

FY97 since as of date:

FY99: FY98:

FY00:

PROCUREMENT LEADTIME: 15 months TOTAL DISPOSALS (___MONTHS) FY01:

NET ASSETS:

ACTUAL TRAINING EXPENDITURE

FY97

FY94 **FY96** FY95

FY93

ACTUAL OTHER THAN TRAINING EXPENDITURE FY97. FY96

FY95 FY94 FY93

P-1 ITEM NOMENCLATURE: ADVANCED AIRBORNE EXPENDABLE DECOY (AAED); RF Towed Decoy	Number of Combat Loads Number of Combat Loads Assets Required for Combat Loads Combat Expenditures War Reserve Requirement Annual Training	0 Maintenance Pipeline 0 Air Force Requirement 0 Air National Guard Requirement 0 Air Force Reserve Requirement 0	TOTAL REQUIREMENT APPROVED ACQUISITION OBJECTIVE 3472	PROCUREMENT REQUIREMENT Total FY98 Requirement Less Net Assets Required FY98 Procurement Planned FY98 Procurement 1403	Total FY99 Requirement Less Net Assets Less FY98 Planned Procurement Required FY99 Procurement Planned FY99 Procurement 1094
AAED); RF TO	0 0 975 975	0 0 0 0	0 075		

P-1 SHOPPING LIST ITEM NO. 70

PAGE NO.

Exhibit P-20 Requirements Study 769

DATE	JSTIFICATION SHEET	P-1 NOMENCLATURE	ORT EQ & FACILITIES MISCELLANEOUS PRODUCTION CHARGES	² Y(BY) 98 FY(BY+1) 99 FY(BY+2) 00 FY(BY+3) 01 FY(BY+4) 02 FY(BY+5) 03			275,804 359,047 247,600 342,343 330,708 322,853
	BUDGET ITEM JUSTIFICATION SHEET		AIRCRAFT PROCUREMENT, AF/ BA 07 AIRCRAFT SUPPORT EQ & FACILITIES	FY(BY) 98 FY(BY+	0		•
		ITY	A 07 AIRCRAFT SUPPC	FY(CY) 97	0		194,326
		APPROPRIATION/BUDGET ACTIVITY	JREMENT, AF/ B.	FY(PY) 96	0		171,416
		APPROPRIATION/	AIRCRAFT PROCU		QUANTITY	COST	(in thousands)

These programs provide for items which (1) are not directly related to other procurement line items in this appropriation, (2) cannot be reasonably allocated and charged to other procurement line items in this appropriation, (3) can be managed as separate end items, and (4) contain certain classified programs.

P-1 Shopping List Page No.

EXHIBIT P-40

DATE: Feb 97 FY 1998/199 MISCELLA	FY 1998/1999 BIENNIAL BUDGET ESTIMATE MISCELLANEOUS PRODUCTION CHARGES (Dollars in Thousands)	'ESTIMATE N CHARGES		P-1900
	FY 96	FY 97	FY 98	<u>FY99</u>
Classified Programs	27,587	44,908	128,010	112,414
C-5 Airborne Broadcast Intelligence (ABI)	0	0	1,518	1,433
Command and Control Module (Silver Bullet)	0	0	4,937	0
ECM Support	9,447	0	0	0
Electronic Warfare Integrated Reprogramming	0	0	5,431	5,949
F-22	0	0	0	2,974
Interim Contractor Support	1,166	2,569	633	548
KC-135 Airborne Broadcast Intelligence (ABI)	0	0	1,525	1,562
LANTIRN	202	0	0	0
Manned Destructive Suppression	0	0	0	10,465
NAVSTAR GPS (User Equipment)	40,191	32,175	43,685	45,076
NATO Alliance Ground Surveillance	0	0	0	93,195
NATO AWACS Modernization	50,423	86,602	69,823	65,900
Pollution Prevention	6,742	6,869	3,911	1,964
Range Improvement	3,658	21,203	10,110	17,567
TARS Podded Reconnaissance System	32,000	0	6,221	0
TOTAL COST	171,416	194,326	275,804	359,047



112,414

128,010

44,908

27,587

TOTAL COST

UNCLASSIFIED

FY 1998/1999 BIENNIAL BUDGET ESTIMATE MISCELLANEOUS PRODUCTION CHARGES (Dollars in Thousands)

DATE: Feb 97

P-1900

PROJECT TITLE: Classified Programs

DESCRIPTION/JUSTIFICATION: Details of the following programs are available on a need-to-know basis.

PROJECTED FINANCIAL PLAN:	70 AA.	20 234	COAPL	Š
BASIS FOR COST ESTIMATE	FY 90	14 Y 9/	FY <u>98</u>	66 X H
Special Evaluation Program	2,766	25,290	7,122	621
Compass Call	5,736	0	0	24,647
Classified Programs	19,085	10,912	18,224	42,306
Advanced Program Evaluation	0.	8,706	102,664	44,840

DATE: Feb 97

FY 1998/1999 BIENNIAL BUDGET ESTIMATE MISCELLANEOUS PRODUCTION CHARGES FACT SHEET

P-1900

(Dollars in Thousands)

PROJECT TITLE: C-5 Airborne Broadcast Intelligence (ABI)

MODELS OF AIRCRAFT APPLICABLE: C-5

aircrews with portable, on-aircraft mission equipment to receive and display critical, real-time intelligence information. Strategic mobility aircrews aircraft from hostilities during combat operations. The ABI system addresses this deficiency and increases aircrew survivability by providing DESCRIPTION/JUSTIFICATION: The AMC Airlift and Air Refueling Mission Area Plans identified a deficiency in the ability to protect This project is a new start to modify and integrate on the C-5 previously developed intelligence communication and display equipment. implementation costs, it is envisioned that ABI will be "snapped on" to any AMC mobility fleet aircraft when this capability is needed. often fly extended missions or transit enroute stations without full intelligence information capability. Information provided prior to enables aircrews to make mission modifications to avoid enemy threats under rapidly changing combat conditions. To limit system mission departure is often outdated or incomplete upon arrival in theater. ABI provides increased threat situational awareness and These systems are intended to be interchangeable between KC-135, KC-10, C-141, C-5, and C-17 operational wings as required.

PROJECTED FINANCIAL PLAN:				
	FY 96	FY 97	FY 98	FY 99
BASIS FOR COST ESTIMATE:				
	0	0	1,518	1,433
TOTAL COST	0	0	1,518	1,433

DATE: Feb 97

P-1900

MISCELLANEOUS PRODUCTION CHARGES FACT SHEET FY 1998/1999 BIENNIAL BUDGET ESTIMATE (Dollars in Thousands)

PROJECT TITLE: Command and Control Module (Silver Bullet)

MODELS OF AIRCRAFT APPLICABLE: C-141, C-17, KC-10

comfort package designed to fit on C-141, C-17, and KC-10 aircraft. The Silver Bullet provides a means for senior military and Use of the Silver Bullet allows senior military and government officials to fly into austere locations where support for official DESCRIPTION/JUSTIFICATION: The Silver Bullet is a deployable (palletized) communications and Distinguished Visitor executive officials to work, conference, and rest onboard military aircraft while enroute to deployed locations. The ability to communications that include secure and non-secure voice/data/fax world-wide via UHF SATCOM, INMARSAT, and HF. government aircraft is non-existent. The FY98 request will procure two Silver Bullet Command and Control Modules. maintain contact with military forces and to keep abreast of rapidly changing situations is provided with onboard

PROTECTED FINANCIAL PLAN				
	FY 96	FY 97	FY 98	FY 99
BASIS FOR COST ESTIMATE:				
Silver Bullet	0	0	4,937	0
TOTAL COST	0	0	4,937	0

DATE: Feb 97

FY 1998/1999 BIENNIAL BUDGET ESTIMATE MISCELLANEOUS PRODUCTION CHARGES FACT SHEET

P-1900

(Dollars in Thousands)

PROJECT TITLE: Electronic Warfare Integrated Reprogramming (EWIR)

MODELS OF AIRCRAFT APPLICABLE: F-16, F-15, A-10, B-52, B-1B, MC-130, AC-130, MH-53J, MH-60, EF-111

support tools for Air Combat Command, Air Force Special Operations Command, and Air Mobility Command electronic warfare DESCRIPTION/JUSTIFICATION: This program provides electronic countermeasure (ECM) support of the Electronic Warfare development, configuration management, maintenance and testing of electronic warfare system software and reprogramming Avionics Integration Support Facility (EWAISF) for the EWIR process. The EWAISF is the primary support facility in the systems.

PROJECTED FINANCIAL PLAN:	FY 96	FY 97	FY 98	FY 99
BASIS FOR COST ESTIMATE:				
	0	0	5,431	5,949
TOTAL COST	0	0	5,431	5,949

DATE: Feb 97

FY 1998/1999 BIENNIAL BUDGET ESTIMATE MISCELLANEOUS PRODUCTION CHARGES FACT SHEET

P-1900

(Dollars in Thousands)

PROJECT TITLE: Interim Contractor Support

MODELS OF AIRCRAFT APPLICABLE: N/A

DESCRIPTION/JUSTIFICATION: Funds provide logistics support suite for the transition to organic capability for NAVSTAR GPS (User Equipment).

PROJECTED FINANCIAL PLAN:	FY 96	FX 97	FY 98	FY 99
BASIS FOR COST ESTIMATE:				
NAVSTAR GPS (User Eq)	1,166	2,569	633	548
TOTAL COST	1,166	2,569	633	548

DATE: Feb 97

FY 1998/1999 BIENNIAL BUDGET ESTIMATE MISCELLANEOUS PRODUCTION CHARGES FACT SHEET (Dollars in Thousands)

P-1900

PROJECT TITLE: KC-135 Airborne Broadcast Intelligence (ABI)

MODELS OF AIRCRAFT APPLICABLE: KC-135S

This project is a new start to modify and integrate on the KC-135 previously developed intelligence communication and display equipment. DESCRIPTION/JUSTIFICATION: The AMC Airlift and Air Refueling Mission Area Plans identified a deficiency in the ability to protect aircraft from hostilities during combat operations. ABI addresses this deficiency and increases aircrew survivability by providing aircrews with portable, on-aircraft mission equipment to receive and display critical, real-time intelligence information. Strategic mobility aircrews implementation costs, it is envisioned that ABI will be "snapped on" to any AMC mobility fleet aircraft when this capability is needed. enabling aircrews to make mission modifications to avoid enemy threats under rapidly changing combat conditions. To limit system often fly extended missions or transit enroute stations without full intelligence information capability. Information provided prior to mission departure is often outdated or incomplete upon arrival in theater. ABI provides increased threat situational awareness thus These systems are intended to be transferred between KC-135, KC-10, C-141, C-5, and C-17 operational wings as required.

PROJECTED FINANCIAL PLAN:	FY 96	FY 97	FY 98	FY 99
BASIS FOR COST ESTIMATE:				
	0	0	1,525	1,562
TOTAL COST	0	0	1,525	1,562

DATE: Feb 97

P-1900

FY 1998/1999 BIENNIAL BUDGET ESTIMATE MISCELLANEOUS PRODUCTION CHARGES FACT SHEET (Dollars in Thousands)

PROJECT TITLE: NAVSTAR Global Positioning System (GPS) User Equipment

MODELS OF AIRCRAFT APPLICABLE: C-17A, C-130, E-8, and F-117

DESCRIPTION/JUSTIFICATION: NAVSTAR GPS is a space-based radio navigation system that provides users with precise position, velocity, and time using passive receivers on a day/night all-weather world-wide basis. These funds provide for the procurement of user equipment and associated costs for the above aircraft. This program also includes production engineering, testing, and other support to all GPS modifications.

PROJECTED FINANCIAL PLAN:	FY 96	FY 97	FY 98	FY 99
BASIS FOR COST ESTIMATE:				
Non-recurring/Integration	40,191	32,175	43,685	45,076
TOTAL COST	40,191	32,175	43,685	45,076

DATE: Feb 97

FY 1998/1999 BIENNIAL BUDGET ESTIMATE MISCELLANEOUS PRODUCTION CHARGES FACT SHEET (Dollars in Thousands)

P-1900

PROJECT TITLE: NATO AWACS Modernization

MODELS OF AIRCRAFT APPLICABLE: E-3A

Cooperative developments include Electronic Support Measures (ESM), and the Radar System Improvement Program (RSIP. Modernization Program to update NATO E-3s with capabilities similar to the U.S., United Kingdom, and French E-3s under DESCRIPTION/JUSTIFICATION: NATO's E-3s provide air and maritime surveillance for allied forces in the NATO area NATO AWACS also includes the U.S. contributions to the Mid-Term Modernizations Program beginning in FY98. Some the 1990 addendum to the Multilateral Memorandum of Understanding. Upgrades include the anti-jam radio (Have Quick communications, and satellite communications. Near- and mid-term projects will maintain fleet operational effectiveness of operation. This project provides the U.S. contribution to the NATO Airborne Early Warning and Control Near-Term and interoperability well into the 21st century. An amendment to the 1990 Multilateral Memorandum of Understanding A-Nets), JTIDS TADIL J data Link, improved COMSEC equipment (ANDVT), and color consoles. Joint US/NATO of the upgrades identified for the mid-term effort include man-machine interface, multi-sensor integration, digital addendum is planned for 12 nation signature by June 1997.

PROJECTED FINANCIAL PLAN:

PROJECTED FINANCIAL PLAN:	FY 96	FY 97	FY 98	FY 99
BASIS FOR COST ESTIMATE:				
AWACS - Near-Term	50,423	86,602	44,451	22,366
AWACS - Mid-Term	0	0	25,372	43,534
TOTAL COST	50,423	86,602	69,823	65,900

DATE: Feb 97

FY 1998/1999 BIENNIAL BUDGET ESTIMATE MISCELLANEOUS PRODUCTION CHARGES FACT SHEET (Dollars in Thousands)

P-1900

PROJECT TITLE: NATO Alliance Ground Surveillance (AGS)

MODELS OF AIRCRAFT APPLICABLE: E-3A

DESCRIPTION/JUSTIFICATION: NATO has identified a requirement for an Alliance Ground Surveillance (AGS) capability. It has Modifications will be incorporated onto two U.S. Joint STARS (P-10 and P-12) diverted from the U.S. production line. A January ment effort to provide for NATO, from airborne platforms, near-real-time surveillance and targeting information on moving and TADIL-J (Link 16) and surveillance and control data link (SCDL) messages and man-machine interface and system databases). also determined that this system should be NATO-owned and operated, similar to NATO AWACS. Current U.S. effort defines and execute battle decisions. These production funds and the accompanying RDT&E funds initiate a two-phased U.S. governstationary ground targets (enhanced to include maritime operations), slow moving rotary and fixed-wing aircraft, and rotating 1998 award supports a December 2000 delivery of the first NATO aircraft. Phase II is a US/NATO cooperative development an AGS system within the NATO architecture based on Joint STARS to enable operational and tactical commanders to make antennas. Phase I develops minimum modifications to U.S. Joint STARS baseline to support NATO interoperability (i.e., effort of system enhancements (radar, satellite communications and wide-band data line). Radar enhancements include enhanced synthetic aperture radar (ESAR), inverse SAR, swath SAR, and maritime mode.

PROJECTED FINANCIAL PLAN: BASIS FOR COST ESTIMATE:	FY 96	FY-97	FY 98	FY 99
NATO AGS	0	0	0	93,195
TOTAL COST	0	0	0	93,195

DATE: Feb 97

P-1900

FY 1998/1999 BIENNIAL BUDGET ESTIMATE MISCELLANEOUS PRODUCTION CHARGES FACT SHEET (Dollars in Thousands)

PROJECT TITLE: Pollution Prevention

MODELS OF AIRCRAFT APPLICABLE: N/A

initiatives required to reduce and prevent harmful releases of hazardous and toxic materials to the air, land, and water. It includes requirements such as require and are authorized equipment, facility projects, and services that must be acquired to accomplish the DoD and Air Force pollution prevention Comprehensive Pollution Prevention Strategy, and the Air Force Pollution Prevention Strategy. This budget item identifies the pollution prevention refrigerant recovery equipment, recycling equipment, efforts to reduce solid waste generation, enhanced hazardous material management practices, goals. These goals are a direct result of the Pollution Prevention Act of 1990, Montreal Protocol, Executive Orders 12856 and 12873, the DoD DESCRIPTION/JUSTIFICATION: Installations and Government Owned, Contractor Operated (GOCO) facilities throughout the Air Force hazardous waste minimization efforts, and opportunity assessments to identify pollution prevention opportunities.

PROJECTED FINANCIAL PLAN:	
0	回

	FY 96	FY 97	FY 98	FY 99
BASIS FOR COST ESTIMATE:				
PROGRAM COST	6,742	698'9	3,911	1,964
TOTAL COST	6,742	6,869	3,911	1,964

DATE: Feb 97

MISCELLANEOUS PRODUCTION CHARGES FACT SHEET FY 1998/1999 BIENNIAL BUDGET ESTIMATE (Dollars in Thousands)

P-1900

PROJECT TITLE: Range Improvement

MODELS OF AIRCRAFT APPLICABLE: A-10, F-15, F-16, F-111

are interoperable with Navy ranges, and provide the capability to train aircrews in air-to-air combat, air-to-ground combat, and electronic warfare, while providing real-time monitoring and control of aircraft during large force exercises and recording events for post-mission debrief and analysis. The pods known as Air Combat Maneuvering Instrumentation (ACMI) systems. However, the nomenclature has changed over the years to better reflect system DESCRIPTION/JUSTIFICATION: Air Combat Training Systems (ACTS) provide equipment for Air Force ranges to support training/evaluation of aircrews and operational testing of weapon systems and tactics under simulated combat conditions. Originally, range instrumentation systems were upgrades and specific uses of individual systems. The second generation systems, capable of handling 36 aircraft simultaneously, are referred to as Measurement and Debriefing Systems (MDS). The overall range instrumentation systems are now known as Air Combat Training Systems, are airborne systems of ACTS and provide altitude, position, and vector tracking data plus other aircraft avionics and weapon event data. The FY97 effort includes \$8.0M to instrument the Air National Guard Combat Readiness Training Center at Alpena MI.

a radar altimeter, UHF transmitter, and aircrew prompting system. Pods developed/procured beginning in FY95 will have GPS capability. DEVELOPMENT STATUS: P-4AX, P-4AW, P-4B, and P-4BX pods and associated test sets are complete. The P-4 series contained

PROJECTED FINANCIAL PLAN:	FY 96	FY 97	FY 98	FY 99
BASIS FOR COST ESTIMATE:				
ACMI PODS	3,658	21,203	10,110	17,567
TOTAL COST	3,658	21,203	10,110	17,567

MISCELLANEOUS PRODUCTION CHARGES FACT SHEET FY 1998/1999 BIENNIAL BUDGET ESTIMATE (Dollars in Thousands)

DATE: Feb 97

P-1900

PROJECT TITLE: TARS Podded Reconnaissance System

MODELS OF AIRCRAFT APPLICABLE: F-16C, Block 30

in a pod on the F-16, and a small Common Imagery Ground/Surface System (CIG/SS) compliant ground exploitation system. visible light imagery. The system will consist of electro-optical sensors, a pod management system, and recorder carried DESCRIPTION/JUSTIFICATION: The TARS podded reconnaissance System (PRS) provides the USAF with an 18-20 sensor management system, ground station, and support equipment. The FY98 request will procure the medium altitude All systems will be operated by the Air National Guard (ANG). The concept of operations distributes the systems (four per squadron) among five ANG F-15 squadrons. FY96 funds procure pods, electro-optical camera package, recorder, fighter-based reconnaissance capability to satisfy the requirement for responsive, under-the-weather, high resolution, mid-bay sensors.

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PROJECTED FINANCIAL PLAN:	FY 96	FY 97	FY 98	FY 99
BASIS FOR COST ESTIMATE:				
AWACS	32,000	0	6,221	0
TOTAL COST	32,000	0	6,221	0

BUDGET ITEM JUSTIFICATION SHEET Feb-97	P-1 NOMENCLATURE	AIRCRAFT PROCUREMENT, AF/ BA 07, AIRCRAFT SUPPORT EQ & FACILITIES	97 FY(BY) 98 FY(BY+1) 99 FY(BY+2) 00 FY(BY+3) 01 FY(BY+4) 02 FY(BY+5) 03			4,564 5,151 5,326 5,392 5,610 5,783
SHEET	P-1 NOME	ITIES				
M JUSTIFICATION		PPORT EQ & FACII				4,564
BUDGETITE	ſY:	07, AIRCRAFT SU	FY(PY) 96 FY(CY) 97			4,571
	NUDGET ACTIVIT	REMENT, AF/ BA	FY(PY) 96			4,706
	APPROPRIATION/BUDGET ACTIVITY:	AIRCRAFT PROCUI		QUANTITY	LSOO	(in thousands)

These programs provide for electronic countermeasures and related support equipment which (1) is not directly related to other procurement line items in this appropriation, (2) cannot be reasonably allocated and charged to other procurement line items in this appropriation, and (3) can be managed as separate end items. This procurement line item also contains certain classified programs.

FY(BY+5) 03	5,783	5,783
FY(BY+4) 02	5,610	5,610
FY(BY+3) 01	5,392	5,392
FY(BY+2) 00	5,326	5,326
FY(BY+1) 99	5,151	5,151
FY(BY) 98	4,564	4,564
EY(CY) 97	4,571	4,571
FY(PY) 96	4,706	4,706
	ALQ-184/ALQ-131	

P-1 Shopping List Page No.

EXHIBIT P-40

							DATE	
	A Assessment 1	BUDGET ITEN	M JUSTIFICATION SHEET	N SHEET			Feb	Feb-97
Œ	APPROPRIATION/BUDGET ACTIVITY	Ϋ́			P-1 NOMENCLATURE	TURE		
EM	ENT, AF/BA	07, AIRCRAFT S	AIRCRAFT PROCUREMENT, AF/ BA 07, AIRCRAFT SUPPORT EQ & FACILITIES	ACILITIES		ALQ-184/	ALQ-184/ALQ-131	
	FY(PY) 96	FY(CY) 97	FY(BY) 98	FY(BY) 98 FY(BY+1) 99	FY(BY+2) 00	FY(BY+2) 00 FY(BY+3) 01 FY(BY+4) 02	FY(BY+4) 02	FY(BY+5) 03
	4,706	4,571	4,564	5,151	5,326	5,392	5,610	5,738
1								

MISSION AND DESCRIPTION: This project supports the acquisition of kits to modify the ALQ-119 into the ALQ-184 and ALQ-131 Block II pod configurations to counter terminal and airborne interceptor radar systems.

PROGRAM JUSTIFICATION: The FY98 and FY99 funding provides for software upgrades, ECPs, program support, and product improvement. The FY00 request provides funding for software upgrades, ECPs, program support, and product improvement to continue the effort.

FY(BY+5) 03	5,738	
FY(BY+4) 02	5,610	
FY(BX+3) 01	5,392	
FY(BY+2) 00	5,326	
FY(BY+1) 99	5,151	
FY(BY) 98	4,564	
FY(CY) 97	4,571	
FY(PY) 96	4,706	
	ALQ-184/ALQ-131	

P-1 Shopping List Page No.

1. AIRFRAME/CFE Cost Cos	AIRCRAFT COST ANALYSIS (Dollars in Thousands)	A. Air	Aircraft Model	B. Pop ALQ	B. Popular Name ALQ-184/131	C. M R.	C. Manufacturer Raytheon	D	D. Date Feb-97
Unit Total Unit Total Unit Cost Cost Cost Cost Cost Cost Cost Cos		FY 96	QTY 0	FY 97	QTY 0		QTY 0	FV 99	QTY 0
Cost Cost Cost Cost Cost Cost Cost Cost		Unit	Total	Unit	Total	Unit	Total	Unit	Total
4,706 4,571 4,564 4,706 4,571 4,564 4,706 4,571 4,564 0 0 0 0 4,706 4,571 4,564		Cost	Cost	Cost	Cost	Cost	Cost	Cost	Cost
SE	IRFRAME/CFE NGINE/ACCESSORIES (PER A/C) ingine Model: VIONICS: CFE GFE RMAMENT THER GFE CO (ALL FLY-AWAY COMPONENTS) ON-RECURRING COSTS								
SE	FLY-AWAY COSTS		0		0	4	0		0
CT COSTS 4,706 4,571 4,564 ST 4,706 4,571 4,564 YEAR ADV PROC 0 0 0 4,706 4,571 4,564	NIRFRAME PGSE SUGINE PGSE AVIONICS PGSE FECULIAR TRAINING EQUIPMENT VBLICATIONS/TECH DATA SCO (ALL SUPPORT ITEMS) OTHER NITERIM CONTRACTOR SUPPORT		4,706		4,571		4,564		5,151
ST YEAR ADV PROC 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	SUPPORT COSTS		4,706		4,571		4,564		5,151
4,700	JROSS P-1 COST JESS: PRIOR YEAR ADV PROC		4,706		4,571		4,564		5,151
	VEI P-1 COSI		4,706		4,571		4,564		5,151

PROCUREMENT HISTORY AND PLANNING	HISTORY AND	PLANNING								DATE:	Feb 97
APPROPRIATION/BUDGET ACTIVITY	N/BUDGET ACT	IVITY				P-1 ITEM NOMENCLATURE	MENCLATUR	E			
AIRCRAFT PROCUREMENT/AF, BA 07, AIRCRAFT SUPPORT EQ & FACILITIES	CUREMENT/AF,	BA 07, AIRCE	RAFT SUPPOR	TEQ & FACI				ALQ-184/131	84/131		
I INE ITEM		CONTRACT	TON TEN	P/R PEI EASE	CIGAWA	DATE OF FIRST		TIMI	SPECS	SPECS	IF YES,
~	CONTRACTOR	AND TYPE	BY	DATE	DATE	DELIVERY	QTY	COST	NOW?	REQUIRED?	AVAIL?
Kit											
FY93	Raytheon	FFP	USAF	Jan-93	Jan-94	Aug-95	101	950	Yes	oN.	N/A
REMARKS: Contract is an FY88 document with dates, prices, and deliveries established as annual options.	tract is an FY88 d	locument with	dates, prices, an	d deliveries est	tablished as ar	nnual options.					

P-1 Shopping List
UNCLASSIFIED

EXHIBIT P-5a

1.87

BUDGET ITEM JUSTIFICATION SHEET	Date: FEB 97
APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
AIRCRAFT PROCUREMENT/BA07,AIRCRAFT SUPPORT EQUIPMENT & FACILITIES	Defense Airborne Reconnaissance Program (DARP)

	FY 1996	FY 1997	FY1998	FY1999	FY2000	FY 2001	FY 2002	FY 2003
QUANTITY	0	0	0	0	0	0	0	0
COST (IN millions)	203.5	150.7	141.5	157.9	128.0	114.5	112.1	111.3

MISSION AND DESCRIPTION: Information pertaining to DARP programs is classified and available on a need-to-know basis.